MATRIX

Since 2003

2023

MATRIX TECHNOLOGY INC.

PRODUCT MANUAL

THE EXPERT OF DC LINEAR POWER SUPPLY

Version 2023.1.1

MATRIX TECHNOLOGY INC.

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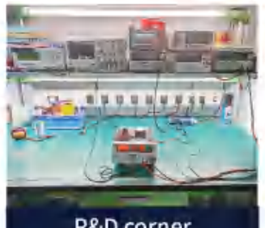
COMPANY INTRODUCTION

Founded in year 2003, MATRIX TECHNOLOGY INC. is an integration of research and development, production and sales. Since its inception, MATRIX has been focused on development and production of AC/DC power supplies, electronic loads, power meters, LCR meter and other general-purpose instruments. Due to excellent quality and fabulous service, our products have been sold to more than 80 countries and regions all over the world, and have been highly praised and recommended by majority of customers. MATRIX has obtained CE,ROHS, KC and other authoritative certifications. MATRIX will continue to focus on development and production of DC power supply and other related products, to provide users with more reliable, more durable, more humanized design of products.


R&D corner


Aging room


Production line


Temp.&Humidity Test

CONTENTS

DC Power Supply

MPS-3206 Series

- Voltage and current simultaneously display, double four-digit LED display
- High power up to 320W with small volume
- Ultra lightweight design, bare machine weight only 1.5kg
- Smart fan, unique air duct design keeps normal temperature for long time full load working
- Five sets of storage functions, greatly conve nient for users
- OVP/OCP setting function
- Encoder sets voltage and curent. Faster and longer life
- Output power switch function;

Model		MPS-3206	MPS-3210	MPS-6205
Rated output voltage		0~32V	0~32V	0~62V
Rated output current		0~6A	0~10A	0~5A
Load regulation rate	Voltage	< 0.1%+5mV	< 0.1%+10mV	< 0.1%+5mV
	Current	< 0.2%+3mA	< 0.2%+5mA	< 0.2%+3mA
Line regulation rate	Voltage	< 0.0.1%+5mV	< 0.0.1%+10mV	< 0.0.1%+5mV
	Current	< 0.2%+3mA	< 0.2%+5mA	< 0.2%+3mA
Setting accuracy	Voltage	≤0.1%+1 bit	≤0.1%+1 bit	≤0.1%+2 bit
	Current	≤0.2%+3mA	≤0.2%+5mA	≤0.2%+3mA
Readback accuracy	Voltage	≤0.1%+1 bit	≤0.1%+1 bit	≤0.1%+2 bit
	Current	≤0.2%+3mA	≤0.2%+5mA	≤0.2%+3mA
Readback resolution	Voltage	10mV	10mV	10mV
	Current	1mA	1mA	1mA
Ripple	Voltage	≤10mVrms	≤10mVrms	≤10mVrms
	Current	≤5mArms	≤5mArms	≤5mArms
OVP		0~32V±0.2%FS	0~32V±0.2%FS	0~62V±0.2%FS
Max. voltage		32V±0.2%	32V±0.2%	62V±0.2%
OCP		0~6.1A±0.2%FS	0~10A±0.2%FS	0~5.1A±0.2%FS
Max. current		6.1A±0.2%	10A±0.2%	5.1A±0.2%
Temperature Coefficient	Operation	0 ~ 40℃≤80%RH		
	Storage	-15~70℃≤80%RH		
Instrument size (W*H*D)	mm	115*96*261		
Packing size (W*H*D)	mm	167*153*317		
Net weight	kg	1.5		
Gross weight	kg	1.9		

DC Power Supply

MPS-3260 series

Features

- Voltage and current four display at the same time, accurate and easy to use
- five groups of storage, easy to call
- OVP/OCP arbitrary setting within the rated range
- Power up to 414W
- voltage control knob design, prevent misrotation
- Output switch design, easy to control
- Coarse tuning , fine tuning voltage and current, quick setting, easy to use

Applications

- Develop and design validation common tests
- aging of product
- Routine electronic testing and maintenance
- Lab

Model		MPS-3263			MPS-3264			
Channel		CH1	CH2	CH3	CH1	CH2	CH3	CH4
Rated output voltage		0~32V		2.5V /3.3V /5V	0~32V		2.5V/3.3V/5V	5V
Rated output current		0~6A		3A	0~6A		3A	2A
Load regulation rate	Voltage	< 0.1%+5mV		< 0.1%+10mV	< 0.1%+5mV		< 0.1%+10mV	< 0.1%+10mV
	Current	< 0.2%+3mA		-	< 0.2%+3mA		-	-
Power regulaiton rate	Voltage	< 0.1%+5mV		< 0.1%+10mV	< 0.1%+5mV		< 0.1%+10mV	< 0.1%+10mV
	Current	< 0.2%+3mA		-	< 0.2%+3mA		-	-
Setting accuracy	Voltage	≤0.1%+30mA		≤0.1%+50mV	≤0.1%+30mA		≤0.1%+50mV	≤0.1%+50mV
	Current	≤0.5%+2位		-	≤0.5%+2位		-	-
Read back accuracy	Voltage	≤0.1%+1字节		-	≤0.1%+1字节		-	-
	Current	≤0.2%+3mA		-	≤0.2%+3mA		-	-
Read back resolution	Voltage	10mV		10mV	10mV		10mV	10mV
	Current	1mA		1mA	1mA		1mA	1mA
Ripple（5Hz~1MHz）	Voltage	≤10mVrms		≤10mVrms	≤10mVrms		≤10mVrms	≤10mVrms
	Current	≤3mArms		≤3mArms	≤3mArms		≤3mArms	≤3mArms
OVP		0~32V±0.2%FS		-	0~32V±0.2%FS		-	-
Maximum voltage		32V±0.2%		-	32V±0.2%		-	-
OCP		0~6.1A±0.2%FS		3.1A±0.1A	0~6.1A±0.2%FS		3.1A±0.1A	3.1A±0.1A
Maximum current		6.1A±0.2%		3.1A±0.1A	6.1A±0.2%		3.1A±0.1A	3.1A±0.1A
Temperature	Operating	0 ~ 40℃≤80%RH			0 ~ 40℃≤80%RH			
	Storage	-15~70℃≤80%RH			-15~70℃≤80%RH			
Machine size（W*H*D）	mm	220*150*330			220*150*330			
Net weight	kg	3.5			3.5			
Gross weight	kg	4.3			4.3			

DC Power Supply

MPS-100 Series

optional RS-232 □ USB □

Applications

- Prouduction line work bench routine test
- Lab and institute
- Electronic repair
- Automated equipment integration testing

Features

- Voltage 1mV current 0.1mA resolution, high precision display
- Voltage compensation function to ensure high accuracy
- Digital keypad and knob two ways to set the voltage and current
- Nine sets of voltage and current storage function, convenient and quick
- Output switch control, easy to control
- Input voltage 110V/220V switch, universal
- Voltage remote compensation function to ensure accuracy
- Intelligent temperature control fan, extremely practical
- Knob using code switch, easy to use, with anti error adjustment function

Model		MPS-100	MPS-101
Rated output voltage		0~30V	0~60V
Rated output current		0~5A	0~3A
Rated output power		150W	180W
Load regulation rate	Voltage	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA
Power regulation rate	Voltage	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA
Setting resolution	Voltage	1mV	1mV
	Current	0.1mA	0.1mA
Read back resolution	Voltage	1mV	1mV
	Current	0.1mA	0.1mA
Settingaccuracy (25°C±5°C)	Voltage	≤0.1%+2digits	≤0.1%+2digits
	Current	≤0.2%+3digits	≤0.2%+3digits
Read back accuracy (25°C±5°C)	Voltage	≤0.1%+2digits	≤0.1%+2digits
	Current	≤0.2%+3digits	≤0.2%+3digits
Ripple and noise (25°C±5°C)	Voltage	1.5mVrms	2mVrms
	Current	3mArms	3mArms
temperature coefficient	Voltage	300ppm	300ppm
	Current	300ppm	300ppm
Machine size (W*H*D)	mm	215*95*300	215*95*300
Packing size (W*H*D)	mm	310*200*420	310*200*420
Net weight	kg	6.7	7.2
Gross weight	kg	7.8	8.3

Single Channel Linear DC Power Supply

MPS-D+ Series

- Current pre-set without short circuit, namly can set the max output current directly
- Smart fan reduce the working noise
- Spec:30V/3A, 30V/5A, 60V/3A, 30V/10A, 60V/5A, 15V/10A,15V/15A
- OTP over temperature protection, more comprehensive protection;
- Output on/off function
- Fine/coarse tuning
- Input voltage 110V/220V switchable
- The smallest 300W(60V/5A,30V/10A) linear adjustable power supply in industry

Model		MPS-3003D+	MPS-3005D+	MPS-3010D+	MPS-6003D+	MPS-6005D+	MPS-1510D+	MPS-1515D+
Rated output	Voltage	0-30V	0-30V	0-30V	0-60V	0-60V	0-15V	0-15V
	Current	0-3A	0-5A	0-10A	0-3A	0-5A	0-10A	0-15A
Load regulation rate	Voltage	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+12mV
	Current	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits
Line regulation rate	Voltage	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+5mV	<0.02%+6mV	<0.02%+10mV	<0.02%+12mV
	Current	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits	<0.2%±1digits
Display resolution	Voltage	100mV						
	Current	<10A:10mA , >10A:100mA						
Display accuracy		≤0.2%+2 digits(Environment temperature: 23℃±5℃)						
Ripple	Voltage	≤2mVrms	≤2mVrms	≤3mVrms	≤2mVrms	≤2mVrms	≤2mVrms	≤2mVrms
	Current	5mArms	5mArms	10mArms	5mArms	5mArms	10mArms	10mArms
Temperature Coefficient		300ppm/℃						
Max. output voltage		31.5V±0.5V	31.5V±0.5V	31.5V±0.5V	61.5V±0.5V	61.5V±0.5V	15.5V±0.5V	15.5V±0.5V
Max. output current		3.15A±0.05A	5.20A±0.05A	10.1A±0.05A	3.15A±0.05A	5.20A±0.05A	10.1A±0.05A	15.1A±0.05A
Input voltage		AC 220V/110V±10% 50Hz/60Hz						
Working condition		Temperature 0℃ ~40 ℃Relative humidity < 80%						
Storage condition		Temperature -15℃~70 ℃Relative humidity < 80%						
Cooling method		Smart air cooling						
Size (WxHxD)	mm	280*130*160						320*130*160
Net weight	kg	4.9	5.7	7.0	5.7	7.0	5.7	8.4
Gross weight	kg	5.6	6.4	7.7	6.4	7.7	6.4	8.1

Single Channel Linear DC Power Supply

MPS-H-1 Series

- Maximum resolution 1mV/1mA
- Current can be pre-set without short circuit;
- Current and voltage output can be set in a certain range, which can prevent misoperation from damaging the tested object
- Slow startup circuit design, small surge current
- Voltage compensation function to ensure high precision
- USB, RS-232/485 are optional
- Two groups memory, can be recalled quickly
- Current and voltage adjusting knob adopts coding switch design, easy to use, long life, low failure rate
- OVP/OCP function

standard SENSE ☑ optional RS-232/485 ☐ USB ☐

≤600W Linear DC power supply

Model	Voltage	Current	Power
MPS-3010H-1	0-30V	0-10A	300W
MPS-3020H-1	0-30V	0-20A	600W
MPS-6005H-1	0-60V	0-5A	300W
MPS-6010H-1	0-60V	0-10A	600W
MPS-10003H-1	0-100V	0-3A	300W
MPS-20002H-1	0-200V	0-2A	400W
MPS-30001H-1	0-300V	0-1A	300W

Model		MPS-3010H-1	MPS-3020H-1	MPS-6005H-1	MPS-6010H-1	MPS-10003H-1	MPS-20002H-1	MPS-30001H-1
Input voltage		AC 220V/110V±10% 50Hz/60Hz						
Rated output	Voltage	0~30V	0~30V	0~60V	0~60V	0~100V	0~200V	0~300V
	Current	0~10A	0~20A	0~5A	0~10A	0~3A	0~2A	0~1A
Load regulation rate	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+5mV	≤0.01%+5mV	≤0.01%+8mV	≤0.01%+12mV	≤0.01%+12mV
	Current	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA
Line regulation rate	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+5mV	≤0.01%+5mV	≤0.01%+8mV	≤0.01%+12mV	≤0.01%+12mV
	Current	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA	≤0.2%+5mA
Setting resolution rate	Voltage	1mV	1mV	1mV	1mV	10mV	10mV	10mV
	Current	1mA	1mA	1mA	1mA	1mA	1mA	1mA
Setting accuracy	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+80mV	≤0.01%+80mV	≤0.01%+80mV
	Current	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA
Readback resolution rate	Voltage	1mV	1mV	1mV	1mV	10mV	10mV	10mV
	Current	1mA	1mA	1mA	1mA	1mA	1mA	1mA
Readback accuracy	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+80mV	≤0.01%+80mV	≤0.01%+80mV
	Current	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA
Ripple and noise	Voltage	≤3mV(rms)						
	Current	≤5mA(rms)						
Working temperature		0~40℃ ≤80%RH						
Size (WxHxD)	cm	250*150*330						
Weight	kg	8	13	8	13	12	12	12

Triple Channel Linear DC Power Supply

MPS-H-3 Series

- One-button series and parallel independent setting, convenient and easy to use
- In series or parallel, direct display of current and voltage values, intuitive and readable
- 4 digits display, 10mV/1mA resolution
- CH1 and CH2 can be controlled independently
- Current can be pre-set without short circuit;
- Slow startup circuit design, small surge current
- USB, RS-232/485 are optional
- Current and voltage output can be set in a certain range, which can prevent misoperation from damaging the tested object
- Current and voltage adjusting knob adopts coding switch design, easy to use, long life, low failure rate
- OVP/OCP function

optional RS-232/485 ☐ USB ☐

Model		MPS-3003H-3			MPS-3005H-3			MPS-3010H-3			MPS-6003H-3			MPS-6005H-3		
Channel		CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
Rated output	Voltage	0~30V	0~30V	5V	0~30V	0~30V	5V	0~30V	0~30V	5V	0~60V	0~60V	5V	0~60V	0~60V	5V
	Current	0~3A	0~3A	3A	0~5A	0~5A	3A	0~10A	0~10A	3A	0~3A	0~3A	3A	0~5A	0~5A	3A
Load regulation rate	Voltage	≤0.01%+5mV		≤15mV	≤0.01%+5mV		≤15mV	≤0.01%+8mV		≤15mV	≤0.01%+5mV		≤15mV	≤0.01%+5mV		≤15mV
	Current	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-
Line regulation rate	Voltage	≤0.01%+5mV		-	≤0.01%+5mV		-	≤0.01%+8mV		-	≤0.01%+5mV		-	≤0.01%+5mV		-
	Current	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-
Set resolution	Voltage	10mV		-	10mV		-	10mV		-	10mV		-	10mV		-
	Current	1mA		-	1mA		-	1mA		-	1mA		-	1mA		-
Readback resolution	Voltage	10mV		-	10mV		-	10mV		-	10mV		-	10mV		-
	Current	1mA		-	1mA		-	1mA		-	1mA		-	1mA		-
Set value accuracy	Voltage	≤0.03%+10mV		-	≤0.03%+10mV		-	≤0.03%+10mV		-	≤0.03%+10mV		-	≤0.03%+10mV		-
	Current	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-
Readback value accuracy	Voltage	≤0.03%+10mV		-	≤0.03%+10mV		-	≤0.03%+10mV		-	≤0.03%+10mV		-	≤0.03%+10mV		-
	Current	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-	≤0.1%+5mA		-
Parallel mode	Power effect	≤0.01%+5mV		-	≤0.01%+5mV		-	≤0.02%+8mV		-	≤0.02%+5mV		-	≤0.02%+5mV		-
	Load effect	≤0.01%+5mV		-	≤0.02%+5mV		-	≤0.02%+8mV		-	≤0.02%+5mV		-	≤0.02%+5mV		-
Series mode	Power effect	≤0.01%+5mV		-	≤0.01%+5mV		-	≤0.01%+8mV		-	≤0.01%+5mV		-	≤0.01%+5mV		-
	Load effect	≤0.01%+5mV		-	≤0.02%+5mV		-	≤0.01%+8mV		-	≤0.01%+5mV		-	≤0.01%+5mV		-
Ripple and Noise	Voltage	≤2mV(rms)														
	Current	≤5mA(rms)														
Working temperature		0~40℃ ≤80%RH														
Size (W*H*D)	mm	250*150*330														
Weight	kg	8			9			12			9			9		

DC Power Supply

WPS-L series

Standard USB ☑ RS232/485 ☑ SENSE☑

Features

- High visibility VacuumFluorescent Display (VFD)
- Voltage and current can be adjusted using a numeric keypad or knob
- Use the cursor to adjust the digital step value
- High accuracy and high resolution
- Output voltage and current values can be programmed for output
- Timing output time can be set (0.1~99999.9 seconds)
- Low ripple and noise
- Intelligent fan control saves energy and reduces noise
- Remote compensation function to compensate the voltage drop on line
- With abundant SCPI instructions, it is convenient to build an intelligent test platform
- With over voltage, over current and over temperature protection function
- Optional external analog control function
- Supports output from the front and rear panels

Model		WPS100-8005L	WPS200-8010L	WPS400-8020L	WPS600-8030L
Rated output voltage		0~80V	0~80V	0~80V	0~80V
Rated output current		0~5A	0~10A	0~20A	0~30A
Rated output power		100W	200W	400W	600W
Load regulation rate	voltage	≤0.01%+3mV	≤0.01%+10mV	≤0.01%+30mV	≤0.01%+30mV
	current	≤0.05%+2mA	≤0.05%+4mA	≤0.05%+6mA	≤0.1%+10mA
Line regulation rate	voltage	≤0.01%+3mV	≤0.01%+10mV	≤0.01%+30mV	≤0.01%+30mV
	current	≤0.05%+2mA	≤0.05%+4mA	≤0.05%+6mA	≤0.1%+10mA
Setting resolution	voltage	1mV	1mV	1mV	1mV
	current	0.1mA	1mA	1mA	1mA
Read back resolution	voltage	1mV	1mV	1mV	1mV
	current	0.1mA	1mA	1mA	1mA
Setting accuracy (25℃±5℃)	voltage	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV
	current	≤0.1%+3mA	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+15mA
Read back accuracy (25℃±5℃)	voltage	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV	≤0.03%+5mV
	current	≤0.1%+3mA	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+15mA
Ripple (20Hz~20MHz)	voltage	≤5mVp-p	≤8mVp-p	≤15mVp-p	≤20mVp-p
	current	≤5mArms	≤6mArms	≤8mArms	≤15mArms
Rising time	voltage	≤150mS(10%-90%)	≤150mS(10%-90%)	≤200ms(10%-90%)	≤150mS(10%-90%)
Falling time	current	≤2s(10%-90%)	≤2s(10%-90%)	≤2.5s(10%-90%)	≤2s(10%-90%)
Size	mm	255*110*380		255*110*475	
Weight	kg	7	8	11	12

Programmable Single Channel DC Power Supply

MPS-3600LP Series

Application:
1.Routine test and maintenance of production line;
2.Laboratory and Research Institute;
3.Simulation test of new energy vehicles;
4.Automation equipment integration test

- Nine sets of voltage and current storage and recall function, convenient and quick
- Output switch control, easy control
- Input voltage 110V/220V switching, universal
- Intelligent temperature control fan, extremely practical
- The knob adopts the code switch, which is convenient to use and has the function of preventing misadjustment
- LIST programme output function
- Set current and voltage regulation range
- Save last time output data and state
- External trigger function
- Pass/fail signal output function
- Standard with RS-232, SENSE, analog control is optional

Standard RS-232☑ SENSE ☑ Optional Analog control ☐

Model		MPS-3603LP	MPS-3605LP	MPS-3610 LP	MPS-6003LP	MPS-6005LP	MPS-8002LP
Rated output voltage		0~36V	0~36V	0~36V	0~60V	0~60V	0~80V
Rated output current		0~3A	0~5A	0~10A	0~3A	0~5A	0~2A
Rated output power		108W	180W	360W	180W	300W	160W
Load regulation rate	Voltage	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Line regulation	Voltage	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Setting value resolution	Voltage	10mV	10mV	10mV	10mV	10mV	10mV
	Current	1mA	1mA	1mA	1mA	1mA	1mA
Readback value resolution	Voltage	10mV	10mV	10mV	10mV	10mV	10mV
	Current	1mA	1mA	1mA	1mA	1mA	1mA
Setting accuracy (25℃±5℃)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Readback accuracy (25℃±5℃)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Ripple	Voltage	1mVrms	1.5mVrms	2mVrms	2mVrms	2mVrms	3mVrms
	Current	3mArms	3mArms	6mArms	3mArms	3mArms	3mArms
Temperature Coefficient	Operation	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
	Storage	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
Instrument size (W*H*D)	mm	215*95*300	215*95*300	215*95*355	215*95*355	215*95*355	215*95*300
Packing size (W*H*D)	mm	310*200*420	310*200*420	310*200*485	310*200*485	310*200*485	310*200*420
Net weight	kg	4.5	6.7	7.5	5.6	7	5.6
Gross weight	kg	5.6	7.8	8.6	6.7	8	6.7

Programmable Single Channel DC Power Supply

MPS-3600H Series

- Nine sets of voltage and current storage and recall function, convenient and quick
- Output switch control, easy control
- Input voltage 110V/220V switching, universal
- Intelligent temperature control fan, extremely practical
- The knob adopts the code switch, which is convenient to use and has the function of preventing misadjustment
- LIST programme output function
- Set current and voltage regulation range
- Save last time output data and state
- External trigger function
- Pass/fail signal output function
- Standard with RS-232, SENSE, analog control is optional

Standard RS-232☑ SENSE ☑ Optional Analog control ☐

Application:
1.Routine test and maintenance of production line;
2.Laboratory and Research Institute;
3.Simulation test of new energy vehicles;
4.Automation equipment integration test

Model		MPS-3603H	MPS-3605H	MPS-3610H	MPS-6003H	MPS-6005H	MPS-8002H
Rated output voltage		0~36V	0~36V	0~36V	0~60V	0~60V	0~80V
Rated output current		0~3A	0~5A	0~10A	0~3A	0~5A	0~2A
Rated output power		108W	180W	360W	180W	300W	160W
Load regulation rate	Voltage	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Line regulation	Voltage	0.05%+5mV	0.05%+8mV	0.05%+10mV	0.05%+5mV	0.05%+8mV	0.05%+5mV
	Current	0.1%+5mA	0.1%+5mA	0.1%+8mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Setting value resolution	Voltage	1mV	1mV	1mV	1mV	1mV	1mV
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Readback value resolution	Voltage	1mV	1mV	1mV	1mV	1mV	1mV
	Current	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA	0.1mA
Setting accuracy (25℃±5℃)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Readback accuracy (25℃±5℃)	Voltage	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+2digits	≤0.1%+3digits
	Current	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+6digits	≤0.2%+3digits	≤0.2%+3digits	≤0.2%+3digits
Ripple	Voltage	1mVrms	1.5mVrms	2mVrms	2mVrms	2mVrms	3mVrms
	Current	3mArms	3mArms	6mArms	3mArms	3mArms	3mArms
Temperature Coefficient	Operation	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
	Storage	300ppm	300ppm	300ppm	300ppm	300ppm	300ppm
Instrument size (W*H*D)	mm	215*95*300	215*95*300	215*95*355	215*95*355	215*95*355	215*95*300
Packing size (W*H*D)	mm	310*200*420	310*200*420	310*200*485	310*200*485	310*200*485	310*200*420
Net weight	kg	4.5	6.7	7.5	5.6	7	5.6
Gross weight	kg	5.6	7.8	8.6	6.7	8	6.7

DC Power Supply

PDS-E Series

PDS-E series is a new generation of high quality adjustable voltage dc power supply,its novel appearance,large power density, high efficiency, small size,simple operation,good stability,bringgre at convenience to the use of users,is ordinary power generation of products,with extremely high cost performance advantage,can be widely used in production,research and development and scientific research and teaching,etc.

PDS-3020E/6010E
Size:230(W)*105 (H)*330(D)mm
Net weight:3.5kg

Apply

- Experimental technique
- Aging test
- Electronic maintenance
- DIY

Features

- Set voltage and current in two ways: digital keyboard and knob
- Voltage 1mV and current 1mA resolution,high precision display
- Multiple group voltage and current storage call function
- Battery charging mode,the upper and lower limits of the current setting function,with an alarm
- The appearance is fashionable and small, affordable,cost-effective ultra-high

Model		PDS-3020E	PDS-6010E
Rated output voltage		0-30V	0-60V
Rated output current		0~20A	0-10A
Load regulation	voltage	<0.1%+20mV	0.1%+10mV
	current	<0.1%+5mA	<0.1%+5mA
Line regulation	voltage	<0.1%+20mV	<0.1%+10mV
	current	<0.1%+5m A	<0.1%+5mA
Setting value resolution	voltage	lmV	lmV
	current	1mA	1mA
Setting value accuracy	voltage	≤0.1%+10mV	≤0.1%+10mV
	current	≤0.3%+8mA	≤0.3%+5mA
Readback resolution	voltage	lmV	lmV
	current	1mA	1mA
Readback accuracy	voltage	≤0.1%+10mV	≤0.1%+10mV
	current	≤0.3%+8mA	≤0.3%+5mA
Temperature	Operating environment	0 ~ 40°C<85RH	0 ~ 40°C£85RH
	Storage environment	- 15~70°Cw85RH	-15~70°C<85RH
Product size(W*H*D)	mm	230*105*330	230*105*330
Packing size (W*H*D)	mm	305*203*426	305*203*426
Net weight	kg	3.5	3.5
Gross weight	kg	4.5	4.5

Programmable Single Channel DC Power Supply

PDS Series

- Voltage 1mV current 1mA resolution, high precision display
- Set voltage and current in two ways: digital keyboard and knob
- 100 sets of voltage and current storage call out function, convenient and quick
- Voltage compensation function ensures high precision
- Output switch control, easy to control
- Intelligent temperature control fan, extremely practical
- The knob adopts the code switch, which is convenient to use and has the function of preventing misadjustment
- Over voltage, over current, over temperature protection function

Standard USB ☑ RS232/485 ☑ Optional LAN ☐ GPIB ☐

Model	Voltage	Current	OVP	OCP
Rated DC output (0℃~40℃)				
PDS-2030	0~20V	0~30A	0.1~24V	0.1~34A
PDS-3020	0~30V	0~20A	0.1~34V	0.1~24A
PDS-6010	0~60V	0~10A	0.1~64V	0.1~12A
PDS-1560	0~15V	0~60A	0.1~18V	0.1~62A
PDS-3030	0~30V	0~30A	0.1~34V	0.1~34A
PDS-6015	0~60V	0~15A	0.1~64V	0.1~17A
PDS-8010	0~80V	0~11A	0.1~88V	0.1~12A

Power effect	Voltage	≤0.01%+10mV
	Current	≤0.2%+10mA
Load effect	Voltage	≤0.1%+5mV
	Current	≤0.2%+5mA
Ripple and noise	Voltage	2mVrms,30mVpp
	Current	≤10mArms
Setting precision	Voltage	±(0.03%of reading+10mV)(25±5℃)
	Current	±(0.3%of reading+10mA)(25±5℃)
Setting resolution		1mV / 1mA
Voltage output Recovery time		≤1.5ms(50%loadchange)
Voltage output temperature coefficient		≤300ppm/℃
Accuracy of reading		±(0.02%of reading+5mV)(25±5℃);±(0.05% of reading+10mA)(25±5℃)
Protection		Overload protection, polarity reverse protection, overvoltage protection, overcurrent protection, overheat protection
Interface		Standard RS-232, support SCPI instruction set, analog control interface (optional)
Storage redeployment		100 groups
Operating environment		Indoor use , altitude : ≤2000m , ambient temperature : 0~40℃ Relative humidity : ≤80% , Install level : Ⅱ , Degree of pollution : 2
Storage environment		ambient temperature : -10~70℃ , relative humidity : ≤70%
Power input		AC 220V±10%,50/60Hz
Accessories		user manual*1pc, power cord*1pc
Instrument size (W*H*D)	mm	220*150*400
Packing size (W*H*D)	mm	310*200*480
Net weight	kg	4.6
Gross weight	kg	5.6

Programmable Triple Channel DC Power Supply

MPS-X/XP Series

Triple channel programmable DC power supply is with high resolution, high precision and high stability, Over-voltage and over-heat protection are available.Series and parallel operation are also provided .The resolution is 1 mV / 1 mA.

Standard SENSE ☑ RS-232☑ USB ☑

- 3ch voltage is continuously adjustable at rated voltage and 3ch voltage and current are displayed simultaneously
- Intelligent temperature controlled fan to reduce the noise
- Serial/ Parallel/ Track mode
- Low ripple and noise
- Can be calibrated and monitored through computers
- With SENSE function, can compensate voltage drop on the line
- Output time can be set(0~99999. 9s)
- Output controlled by a switch

Applications

- Routine test and maintenance of production line workbench
- Lab and institute
- Electronic maintenance
- Automated equipment integration testing

Model		MPS-3033X	MPS-3063X	MPS-6033X	MPS-3033XP	MPS-3063XP	MPS-6033XP
Rated output	Voltage	0~30V*2/0~6V*1	0~30V*2/0~6V*1	0~60V*2/0~6V*1	0~30V*3	0~30V*3	0~60V*3
	Current	0~3A*2/0~3A*1	0~6A*2/0~3A*1	0~3A*2/0~3A*1	0~3A*3	0~6A*3	0~3A*3
Load regulation rate	Voltage	≤0.01%+3mV					
	Current	≤0.01%+3mA					
Line regulation rate	Voltage	≤0.01%+3mV					
	Current	≤0.01%+3mA					
Set resolution	Voltage	1mV					
	Current	1mA					
Readback resolution	Voltage	1mV					
	Current	1mA					
Set value accuracy	Voltage	≤0.03%+10mV					
	Current	≤0.1%+5mA	≤0.1%+8mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+8mA	≤0.1%+5mA
Readback value accuracy	Voltage	≤0.03%+10mV					
	Current	≤0.1%+5mA	≤0.1%+8mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+8mA	≤0.1%+5mA
Ripple and noise	Voltage (rms)	≤2mVrms					
	Current	≤5mArms					
Series / parallel set -point value accuracy	Voltage	≤0.02%+5mV	≤0.02%+10mV	≤0.02%+5mV	≤0.02%+10mV	≤0.02%+10mV	≤0.02%+5mV
	Current	≤0.1%+30mA					
Storage	Storage/Call	40 groups					
	Function	timed output off					
Timer	Time set	0.1s~99999.9s					
	Resolution	0.1s					
Interface		RS232,USB					
Working temperature		0~40℃					
Equipment size (W*H*D)	mm	255*110*380	255*110*380	255*110*380	255*110*470	255*110*470	255*110*470
Packing size (W*H*D)	mm	325*210*475	325*210*475	325*210*475	325*210*595	325*210*595	325*210*595
N.W	kg	8.5	8.5	8.5	11	11	11
G.W	kg	10	10	10	13	13	13

Programmable DC Power Supply

MPS-P Series

Standard SENSE ☑ RS-232、 RS-485、 USB ☑

Features

- The highest resolution of voltage 1mV and current 1mA, high-precision display of V/A/W
- Output switch control, easy to control
- Voltage compensation function to ensure high accuracy
- Sequence output function, convenient and easy to use.
- Data memory function, convenient and quick to call
- The knob adopts a coded switch, which is convenient and quick to use and has the function of preventing misadjustment
- OVP/OCP settings, complete functions
- Slow-start circuit design for start-up has low surge current and high practicability
- The current can be easily preset without short circuit, subverting your use
- V/A can be set to adjust within an interval to prevent misoperation from damaging the measured object
- Power-on state memory settings
- The buzzer can be turned off and on
- One key to restore factory settings
- Intelligent temperature control fan, extremely practical
- Input voltage 110V/220V switch, universal

Model		MPS-3030P	MPS-3040P	MPS-3050P	MPS-5030P	MPS-6020P
Input voltage		AC 220V/110V±10% 50Hz/60Hz				
Rated output	Voltage	0~30V	0~30V	0~30V	0~50V	0~60V
	Current	0~30A	0~40A	0~50A	0~30A	0~20A
Load regulation rate	Voltage	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV
	Current	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA
Power regulation rate	Voltage	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV	≤0.02%+15mV
	Current	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA	≤0.2%+10mA
Set resolution	Voltage	1mV	1mV	1mV	1mV	1mV
	Current	1mA	1mA	1mA	1mA	1mA
Setting accuracy	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV
	Current	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+50mA	≤0.1%+5mA
Readback resolution	Voltage	1mV	1mV	1mV	1mV	1mV
	Current	1mA	1mA	1mA	10mA	1mA
Readback accuracy	Voltage	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV	≤0.01%+10mV
	Current	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+50mA	≤0.1%+5mA
Ripple and noise	Voltage	≤10mV(rms)				
	Current	≤10mA(rms)				
Working environment		0~40℃ ≤80%RH				
Dimensions (WxHxD)	cm	480*142*370				
Weight	kg	22	24	25	22	25

4CH Programmable DC Power Supply

MPS-4 Series

- 4 in 1,easy to install and takes up small space
- Output voltage and current: 30V/5A;30V10A or 60V/3A;60V5A (30V/3A can be customized)
- Each channel is independently adjustable and isolated from each other
- Four channels simultaneously display voltage and current
- Voltage compensation function to ensure accuracy
- 1mV/0.1mA high resolution
- Linear power supply, low ripple
- Panel operation, it is convenient to be used independently

Standard SENSE ☑ RS-232 ☑

Model		MPS-3054	MPS-30104	MPS-6034	MPS-6054
Rated output voltage		0~30V*4CH	0~30V*4CH	0~60V*4CH	0~60V*4CH
Rated output current		0~5A*4CH	0~10A*4CH	0~3A*4CH	0~5A*4CH
Transformation method		Linear power supply			
Load regulation rate	Voltage	≤0.02%+5mV			
	Current	≤0.02%+5mA			
Line regulation	Voltage	≤0.02%+5mV			
	Current	≤0.02%+5mA			
Set value resolution	Voltage	1mV			
	Current	0.1mA			
Setting accuracy (25℃±5℃)	Voltage	≤0.05%+5digits			
	Current	≤0.05%+2mA			
Readback resolution	Voltage	1mV			
	Current	0.1mA			
Readback accuracy	Voltage	≤0.05%+5digits			
	Current	≤0.05%+2mA			
Ripple and noise	Voltage	≤2mV(rms)	≤5mV(rms)	≤2mV(rms)	≤2mV(rms)
	Current	≤5mA(rms)	≤5mA(rms)	≤5mA(rms)	≤5mA(rms)
Temperature Coefficient	Operating environment	0 ~ 40 ℃ ≤ 80% RH			
	Storage environment	-15 ~ 70 ℃ ≤ 80% RH			
Interface	Standard	RS232			
size (W*H*D)	mm	480*142*370			
weight	kg	23	28	23	28

5CH Programmable DC Power S upply

MPS-5 Series

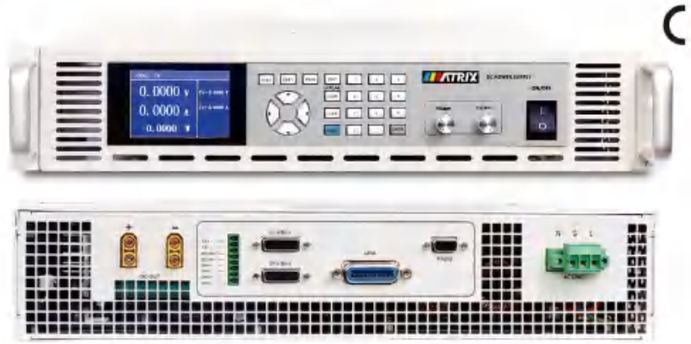
- 5 in 1, easy installation, small volume;
- 30V/5A, 60V/3A five channelsare isolated
- Voltage compensation function improves accuracy
- 1mV/0.1mA high resolution
- Linear power supply, low ripple and noise
- Panel operation, it is convenient to be used independently

Standard SENSE ☑ RS-232 ☑

Model		MPS-3055	MPS-6035
Rated output voltage		0~30V*5CH	0~60V*5CH
Rated output current		0~5A*5CH	0~3A*5CH
Transformation method		Linear power supply	
Load regulation rate	Voltage	≤0.02%+5mV	
	Current	≤0.02%+5mA	
Line regulation rate	Voltage	≤0.02%+5mV	
	Current	≤0.02%+5mA	
Set value resolution	Voltage	1mV	
	Current	0.1mA	
Setting accuracy (25℃±5℃)	Voltage	≤0.05%+5digits	
	Current	≤0.05%+2mA	
Readback resolution	Voltage	1mV	
	Current	0.1mA	
Readback accuracy	Voltage	≤0.05%+5digits	
	Current	≤0.05%+2mA	
Ripple and noise	Voltage	≤2mV(rms)	
	Current	≤5mA(rms)	
Temperature Coefficient	Operating environment	0 ~ 40 ℃ ≤ 80% RH	
	Storage environment	-15 ~ 70 ℃ ≤ 80% RH	
Interface	Standard	RS232	
size (W*H*D)	mm	480*142*370	
weight	kg	25	

Programmable DC Power Supply

HPS Series



- Multiple voltage series, multiple models to choose: 300V/600V/1000V
- Single power range: 3kW/5kW/10kW/15kW
- Single voltage range: 0-1000V, current range: 0-60A
- 30/15kW High power density
- Supports multiple power supplies in parallel, power up to 150kW
- High precision in measuring voltage and current
- Programmable change slope in output voltage and current
- Programmable sets of voltage and current sequences
- Remote voltage compensation, output DC-ON signal
- Perfect protection function OVP, OCP, OHP, fan faliure
- Full color LCD display, digital keyboard, make operation more convenient
- Effectively prevent current reverse
- Standard RS-232, optional GPIB
- No-load fast discharge design

Standard RS232 ☑ Optional GPIB ☐

Model		HPS Serise
AC input		≤3kW single phase 220V±10% >3kW triple phase380V±10%
DC output		Voltage0-1000V adjustable, current 0-375A, power 0-15kW adjustable
CV accuracy	Source effect	≤0.01%Effective value(Rate of change in output current caused by ±10% changed in input voltage)
	Time drift	≤0.05%Effective value(Rate of change in output current caused by the power supply working continuously for 8 hours)
	Temperature drift	≤0.1%Effective value/℃(Rate of change in output voltage caused by changes in ambient temperature in the temperature range)
	Load effect	≤0.02%Effective value(Rate of change in output voltage caused when the output current of the power supply changes from zero to the rated value)
CC accuracy	Source effect	≤0.05%Effective value(Rate of change in output current caused by ±10% changed in input voltage)
	Time drift	≤0.5%Effective value(Rate of change in output current caused by the power supply working continuously for 8 hours)
	Temperature drift	≤0.2%Effective value/℃(Rate of change in output current caused by changes in ambient temperature in the temperature range)
	Load effect	≤0.1%Effective value(Rate of change in output current caused when the output current of the power supply changes from zero to the rated value)
Output ripple	CV status	≤25mV (RMS) (Effect value)
	CC status	≤60mA (RMS) (Effect value)
Output display	Voltage acuracy	0.1%+0.1%F.S.
	Current accuracy	0.1%+0.2%F.S.
Voltage set		Digital keyboard +knob Resolution:1.7mV
Current set		Digital keyboard +knob Resolution:0.9mA
Transient response		<20ms
CV/C switch		<1ms
OVP		Built-in OVP, protection value is +10% of rated value, turn off the output after protection
OCP		Over load, short circuit is turn to CC mode output
OTP		Built-inOTP, protection value is 85°C±5%(Radiator temperature), turn off the output after protection
Output polarity		Output positive(+), negative(-)
Cooling mode		Forced air cooling
Operation environment		Indoor using design, temperature:0°C~40°C; humidity:10%~85%RH
Storage environment		Temperature:-20°C~70°C; humidity:10%~90%RH
Communication Interface		RS232、GPIB(Optional)

≤3kW series product selection table

Model	Voltage	Current	Power
HPS-4080A	0-40.000V	0-80.000A	1200W
HPS-6050A	0-60.000V	0-50.000A	1200W
HPS-8030A	0-80.000V	0-30.000A	1200W
HPS-10025A	0-100.00V	0-25.000A	1200W
HPS-16010A	0-160.00V	0-10.000A	1200W
HPS-40100B	0-40.000V	0-100.00A	1800W
HPS-8040B	0-80.000V	0-40.000A	1800W
HPS-10030B	0-100.00V	0-30.000A	1800W
HPS-16015B	0-160.00V	0-15.000A	1800W
HPS-30010B	0-300.00V	0-10.000A	1800W
HPS-6005B	0-600.000V	0-5.0000A	1800W
HPS-40120C	0-40.000V	0-120.00A	2400W
HPS-8050C	0-80.000V	0-50.000A	2400W
HPS-10040C	0-100.00V	0-40.000A	2400W
HPS-16020C	0-160.00V	0-20.000A	2400W
HPS-30015C	0-300.00V	0-15.000A	2400W
HPS-6008C	0-600.00V	0-8.0000A	2400W
HPS-40120D	0-40.000V	0-120.00A	3000W
HPS-8060D	0-80.000V	0-60.000A	3000W
HPS-10050D	0-100.00V	0-50.000A	3000W
HPS-16030D	0-160.00V	0-30.000A	3000W
HPS-30020D	0-300.00V	0-20.000A	3000W
HPS-60010D	0-600.00V	0-10.000A	3000W

5kW series product selection table (Three-phase input 380V)

Model	Voltage	Current	Power
HPS-32020E	0-320.00V	0-20.000A	5000W
HPS-45015E	0-450.00V	0-15.000A	5000W
HPS-60010E	0-600.00V	0-10.000A	5000W
HPS-80010E	0-800.00V	0-10.000A	5000W
HPS-10008E	0-1000.0V	0-8.0000A	5000W

10kW series product selection table (Three-phase input 380V)

Model	Voltage	Current	Power
HPS-30040F	0-300.00V	0-40.000A	10000W
HPS-45025F	0-450.00V	0-25.000A	10000W
HPS-60020F	0-600.00V	0-20.000A	10000W
HPS-80015F	0-800.00V	0-15.000A	10000W
HPS-100016F	0-1000.0V	0-16.000A	10000W

15kW series product selection table (Three-phase input 380V)

Model	Voltage	Current	Power
HPS-30060G	0-300.00V	0-60.000A	15000W
HPS-45030G	0-450.00V	0-30.000A	15000W
HPS-60030G	0-600.00V	0-30.000A	15000W
HPS-80020G	0-800.00V	0-20.000A	15000W
HPS-100020G	0-1000.0V	0-20.000A	15000W

Storage AC Power Source

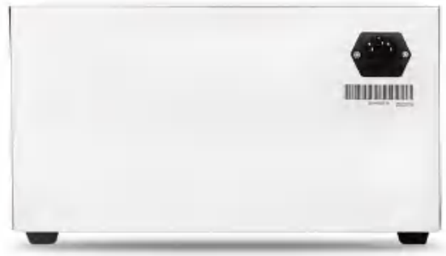
APS-4000 Series

- The advanced direct digital frequency synthesizer (DDS) waveform is used to achieve high frequency stability, good continuity and accurate measurement
- Keyboard shortcuts: 110V, 220V, 50Hz, 60Hz quick switch
- Key LOCK function prevents inadvertent touch
- With key lock M1, M2,M3,M4 and M5 five sets of memory, can store the commonly used voltage V and frequency F, easy to recall them by one key
- Push-down infinite coding knob switch, adjusting cursor position by pressing the knob.
- Four window five digit display, display voltage V, frequency F, current I, power P, power factor PF simulta neously, and more accurate.
- Measuring function: voltage, current, frequency, power, power factor
- Strong overload capacity, 300% overload 2s;
- Intelligent alarming function: automatically judge the cause of failure and situation, as well as display the code when alarming is reported;
- Equipped with 100% load and unload function, the voltage stabilizing reaction time is within 20ms
- Output voltage 0-150.00V、0-300.00V
- Input frequency 45.00-250.00Hz
- Input and output are isolated
- Has soft start function to avoid the damage to power supply caused by the instantaneous impulse current of the load (such as motor) when power on.

Model		APS-4000A	APS-4000B	APS-4000C
Capacity		350VA	700VA	1200VA
Working mode		SPWM		
The input				
Number of phase		1Φ2W		
Voltage		220V±10%		
Frequency		45Hz-250Hz		
The output				
Number of phase		1Φ2W		
Voltage		0-150VAC/0-300VAC AUTO		
Frequency		45-250Hz (0.1Step)		
Maximum current	L=120V	3A	6A	10A
	H=240V	1.5A	3A	5A
Load regulation		1%		
T.H.D		2% Low grade 120V, high grade 240V, with pure resistive load		
Frequency stability		0.01%		
Display		Vrms、Arms、Fre、Wattage、PF		
Voltage resolution		0.01V		
Frequency resolution		0.01Hz		
Current resolution		0.001A		
Storage		M1(V_F_A)、M2(V_F_A)、M3(V_F_A)		
Communication interface		RS-232C		
Set the current limit		0-MaxCurrent(P/240 Maximum current is: maximum capacity /240V is P/240)		
The output protection		OverCurrent OverTemp OverLoad ShortCircuit		
Operation environment		0-40℃ 20-80%RH		
Net weight (kg)		12.7	15	18.5
Gross weight (kg)		14.5	16.7	20
Instrument size (W*H*D)		365*150*430	365*150*430	365*150*430
Packing size (W*H*D)		510*255*550	510*255*550	510*255*550

Adjustable AC Power Meter

APS-6000 Series



- Output voltage AC 0-300v adjustable and power 1000VA
- A/P/PF upper and lower limit Settings, with voice alarm function
- The four Windows display V, A, P, Apk/PF/F switching
- Easy to use, safe and reliable

Model	APS-6100	APS-6200	APS-6100B
The input voltage	AC 220V		
The output voltage	AC 0-300V Adjustable		
The output current	3.3A	6.6A	3.3A
Power	1kw	2kw	1kw
Display	V / A / P / PF / F / Apk		
Display precision	0.5%+2 digits		
Upper limit setting	√		
Output switch	√		
Sound alarming	√		
Isolate the output	×	×	√
Net weight (kg)	10	10	10
Gross weight (kg)	11	11	11.8
Instrument size (W*H*D)	323*180*250	323*180*250	323*180*250
Packing size (W*H*D)	406*295*305	406*295*305	406*295*305

Programmable AC Power Source

APS-7000 Series

APS-7105/7100

APS-7200/7300

- The advanced direct digital frequency synthesizer (DDS) waveform is used to achieve high frequency stability, good continuity and accurate measurement
- Keyboard shortcuts: 110V, 220V, 50Hz, 60Hz quick switch
- Key lock function prevents inadvertent touch
- With key lock M1, M2 and M3 three sets of memory, can store the commonly used voltage V and frequency F, easy to recall them by one key
- Five display windows: voltage V, frequency F, current I, power P/power factor PF, display more accurately
- Overload capacity, 300% overload 2S
- Intelligent alarming function: automatically determine the cause of failure ,status and display the code when the alarm is reported
- With 100% loading and unloading, the stabiliz-ing reaction time is within 20ms
- RS485, RS232, Ethernet communication interface or simulation control mode (optional)
- Adopt input and output isolation mode
- Has soft start function to avoid the damage to power supply caused by the instantaneous impulse current of the load (such as motor) when power on.

Standard RS232 ☑ Synchronous signal output ☑ Optional RS485 ☐

Model		APS-7105	APS-7100	APS-7200	APS-7300
Capacity		500VA	1KVA	2KVA	3KVA
Working mode		SPWM			
The input					
Number of phase		1Φ2W			
Voltage		220V±10%			
Frequency		47Hz-63Hz			
The output					
Number of phase		1Φ2W			
Voltage		0-150VAC/0-310VAC AUTO (0-600V Can be customized)			
Frequency		45-500Hz (0.1Step)			
Maximum current	L=120V	4.2A	8.4A	16.8A	25A
	H=240V	2.1A	4.2A	8.4A	12.5A
Load regulation		1%			
T.H.D		2% Low grade 120V, high grade 240V, with pure resistive load			
Frequency stability		0.01%			
Display		Vrms、Arms、Fre、Wattage、PF			
Voltage resolution		0.01V			
Frequency resolution		0.01Hz			
Current resolution		0.001A			
Storage		M1(V_F_A)、M2(V_F_A)、M3(V_F_A)			
Communication interface		RS-232 standard, RS485 optional			
Set the current limit		0-MaxCurrent(P/240 Maximum current is: maximum capacity /240V is P/240)			
The output protection		OverCurrent OverTemp OverLoad ShortCircuit			
Operation environment		0-40℃ 20-80%RH			
Net weight (kg)		20.6	20.6	30.5	33.3
Gross weight (kg)		23.1	23.1	33.2	36
Instrument size (W*H*D)		480*135*515	480*135*515	480*225*5 3 5	480*225*535
Packing size (W*H*D)		575*255*645	575*255*645	575*255*645	575*255*645

AC Power Source

APS-50000 Series

- Input and output are completely isolated
- Output voltage: phase voltage
  0V-150VAC/0V-300VAC or line voltage 0V-520V
  (voltage can be customized 600V, 1000V or more)
- Output frequency: 40Hz-250Hz continuously adjustable
- Output high and low gears: automatic switching of high and low gears, safe and convenient
- Voltage, frequency, current, power/power factor, four windows simultaneously display
- 5 groups of storage one-key calling function
- No radiation interference, low harmonic content, and special treatment, low interference
- Pure and stable sine wave output
- Strong overload capacity, instantaneous current can withstand 3 times the rated current
- With over current, over temperature, over voltage, short circuit, overload, current limit, instantaneous power failure protection and warning device
- Suitable for resistive, capacitive, inductive and other non-linear loads

Standard RS232

Model		APS51005	APS51008	APS51010	APS51015	APS51020	APS51030	APS51050	APS51075	APS51100
Capacity		5KVA	8KVA	10KVA	15KVA	20KVA	30KVA	50KVA	75KVA	100KVA
The output voltage		0-150V/0-300V automatic switching between high and low gears								
Output current	L=120V	42A	67A	84A	126A	168A	252A	416A	626A	840A
	H=240V	21A	33.5A	42A	63A	84A	126A	208A	313A	420A
frequency		40-250Hz(0.01Step)								
Size (W*H*D)		430*425*550		680*450*650		800*450*650	1020*610*930			1620*750*1200
Weight (kg)		50	70	90	110	140	210	290	410	540

Specifications		
Working mode		SPWM (Sine Pulse Width Modulation)
Input phase number		1Φ2W 220V±15% or 3Φ4W 380V±15%
Output	Phase	1Φ2W
	Voltage	0-150V/0-300V automatic switching between high and low gears
	Current	42A-840A
	frequency	40-250Hz(0.01Step)
LED display		Voltage Vrms, current Arms, frequency Fre, power Wattage, power factor PF
Voltage resolution		0.01V
Current resolution		Output <10A, resolution 0.001A; output 10A-100A, resolution 0.01A; Output 100A-1000A, resolution 0.1A; output ≥1000A, resolution 1A;
Frequency resolution		0.01Hz
Power regulation rate		≤1%
Load stability		≤1%
Load regulation rate		≤1%
Frequency stability		0.01%
Waveform distortion		≤1%(Pure resistance load,other resistance 3%)
Measurement Accuracy	Voltage	0.5%FS+5dgt
	Current	0.5%FS+5dgt
	frequency	0.01%FS+5dgt
	power	0.5%FS+5dgt
set up Accuracy	Voltage	0.2%FS
	Current	0.1%FS
Current limit setting		0-MAX Current
storage		5 groups of storage: M1 (V/F/A), M2 (V/F/A), M3 (V/F/A), M4 (V/F/A), M5 (V/F/A)
protect		Over Current, Over Temp, Over Load, Short Circuit
cooling method		Forced cooling by fan
Operating environment		0-40℃/10-90%RH

Model	Capacity	The output voltage	Output current (L120V/H240V)	Frequency	Size (W*H*D)	Weight (kg)
APS53005	5KVA	0-150V/0-300V Automatic switching between high and low gears (Line voltage: 0-260V/0-520V)	14A/7A	40-250Hz (0.01Step)	800*450*650	110
APS53010	10KVA		28A/14A			130
APS53015	15KVA		42A/21A			160
APS53020	20KVA		58A/29A		1020*610*930	210
APS53030	30KVA		84A/42A		1140*730*930	280
APS53050	50KVA		140A/70A			360
APS53075	75KVA		210A/105A			510
APS53100	100KVA		280A/140A		1620*750*1200	660
APS53150	150KVA		420A/210A			710
APS53200	200KVA		588A/294A		1800*1050*1600	910
APS53300	300KVA		840A/420A			1200
APS53500	500KVA		1390A/695A		1800*1050*1600*2	1800

Specifications		
Working mode		SPWM (Sine Pulse Width Modulation)
Input phase number		3Φ4W 380V±15% (5KVA、10KVA Optional 1Φ2W 220V±15%)
Output	Phase	3Φ4W
	Voltage	0-150V/0-300V automatic switching between high and low gears (line voltage: 0-260V/0-520V)
	Current	14A-1390A
	Frequency	40-250Hz(0.01Step)
LED display		Each phase voltage Vrms, current Arms, frequency Fre, power Wattage, power factor PF
Voltage resolution		0.01V
Current resolution		Output <10A, resolution 0.001A; output 10A-100A, resolution 0.01A; Output 100A-1000A, resolution 0.1A; output ≥1000A, resolution 1A;
Frequency resolution		0.01Hz
Power regulation rate		≤1%
Load stability		≤1%
Load regulation rate		≤1%
Frequency stability		0.01%
Waveform distortion		≤1%(Pure resistance load,other resistance 3%)
Measurement Accuracy	Voltage	0.5%FS+5dgt
	Current	0.5%FS+5dgt
	frequency	0.01%FS+5dgt
	power	0.5%FS+5dgt
set up Accuracy	Voltage	0.2%FS
	Current	0.1%FS
Current limit setting		0-MAX Current
storage		5 groups of storage: M1 (V/F/A), M2 (V/F/A), M3 (V/F/A), M4 (V/F/A), M5 (V/F/A)
protect		Over Current, Over Temp, Over Load, Short Circuit
cooling method		Forced cooling by fan
Operating environment		0-40℃/10-90%RH

Programmable DC Electronic Load

PEL-8000 Series

PEL series product is a new generation of DC electronic load, adopt new chip to achieve high speed and high precision design, provide 0.1 mV and 0.01 mA resolution (basic accuracy is 0.03%, the current rise of 2.5 A/us), with novel appearance, scientific and rigorous production technology, this one is more cost-effective compare to similar products. It can be widely used in the production line (phone charger, cell phone batteries, electric vehicle batteries, switch power supply, linear power supply), scientific research institutions, automotive electronics, aerospace, marine, solar batteries, fuel cells and other industries.

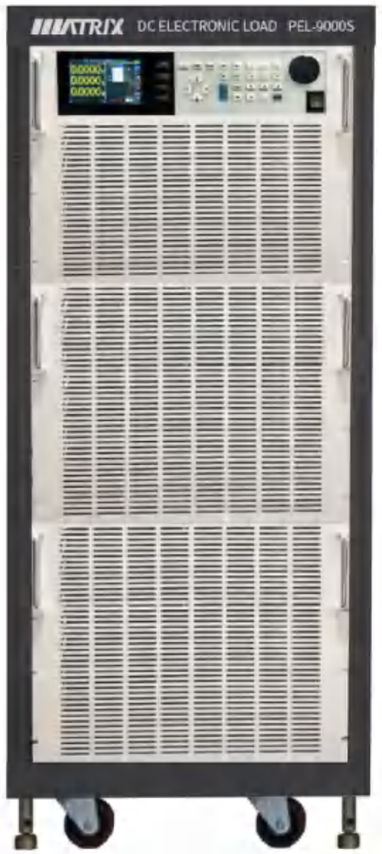
- CC , CV , CR , CP , short circuit, dynamic and other working modes
- Over voltage, overcurrent, overpower, overheat, polarity reverse protection
- High brightness vacuum VFD screen and display V,A,P simultaneously
- Accuracy of 0.1%
- Support external trigger input, output
- Automatic test function setting, more convenient operation
- RS - 232 interface. Optional special communication line connecting computer

Standard RS232 SENSE

Model		PEL-8150		PEL-8300	
Input Rating	Power	150W		300W	
	Current	0~30A		0~60A	
	Voltage	150V			
CC mode	Range	0-3A	0-30A	0-6A	0-60A
	Resolution	0.1mA			
	Accuracy	0.03%+0.05%			
CV mode	Range	0.1-19.999V		0.1-150V	
	Resolution	1mV	10mV	1mV	10mV
	Accuracy	0.03%+0.05%			
CR mode	Range	0.3Ω-10k	0.3Ω-5k	0.3Ω-10k	0.3Ω-5k
	Resolution	16 bits			
	Accuracy	0.2%+0.2%		0.1%+0.1%	
CW mode	Range	0-150W	0-150W	0-300W	0-300W
	Resolution	1mW	10mW	1mW	10mW
	Accuracy	0.2%+0.2%		0.1%+0.1%	
V Measurement	Voltage	0-19.999V	0-150V	0-19.999V	0-150V
	Resolution	0.1mV	1mV	0.1mV	1mV
	Accuracy	0.015%0.05%FS	0.015%0.05%FS	0.015%0.03%FS	0.015%0.02%FS
C Measurement	Current	0-3A	0-30A	0-6A	0-60A
	Resolution	0.1mA	1mA	0.1mA	1mA
	Accuracy	0.03%+0.05%FS	0.03%+0.08%FS	0.03%+0.05%FS	0.03%+0.08%FS
W Measurement	Watt	100W	150W	100W	300W
	Resolution	1mW	10mW	1mW	10mW
	Accuracy	0.2%+0.2%		0.1%+0.1%	
Battery Measurement Battery Input : 0.5-150V Max.Measurement:capacity=999/H;Resolution=0.1mA;Time=Range=1S-16HS					
Dynamic Measurement TransitionList: 0-25Khz;2.5A/us ; T1&T2: 60Us-999S;Accuracy: ±15%offset+10%FS					
1mS;2mS;5mS;10mS;20mS;50mS;100mS;200mS;Accuracy:±15%offset+10%FS					
Short circuit	Current(CC)	3A	30A	6A	60A
	Voltage(CV)	0V			
	Resistance(CR)	55mΩ	25mΩ	300mΩ	
Temperature	Operating	0-40℃			
	Environment	-10℃~70℃			
Net weight	kg	4.1		4.9	
Gross weight	kg	5		5.8	
Instrument size (W*H*D)	mm	215*100*355			
Packing size (W*H*D)	mm	310*200*480			

Programmable DC Electronic Load

PEL-9150S Series



Feature

- Voltage: 0-150V; Maximum current: 1500A
- Power: 1.2KW-40KW
- Four static loading modes: constant voltage, constant current, constant resistance and constant power
- High-speed dynamic load, up to 20KHz
- Arbitrary load waveform simulation function
- Low-voltage and high-current operating characteristics
- Battery discharge simulation and discharge time measurement function
- Fast OCP test function
- Programmable switching of multiple groups of loads
- High precision voltage, current and power measurement
- ARM control technology, fast communication speed
- Compatible with communication instructions of many similar products, and system integration is simpler
- With overvoltage, overcurrent, over-power, over-temperature and reverse protection functions
- RS-232C/GPIB communication interface (optional)

Standard RS232 SYNC Output

Programmable DC Electronic Load

PEL-9150S Series

Details

PEL-9150S series electronic load is a special precision instrument used to simulate the load change of low-voltage and high-power products. It can be applied to load simulation of high-power switching power supply, power supply equipment, power battery pack and electronic component test. The multiple functions of this series of products provide a complete solution for testing high-power power supply and electronic products.

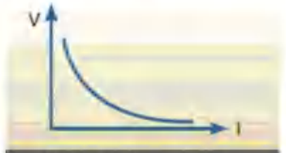
PEL-9150S series electronic load has multiple models to facilitate engineers and technicians to select the most suitable load equipment. The load power is from 1.2KW to 40KW, the load current is up to 1500A, and the working voltage is 0-150V, which can be used for testing various low-voltage and high-power electronic products.

PEL-9150S series load provides four static loading modes: constant current mode (CC) and constant resistance mode (CR) are applicable to load simulation of traditional switching power supply, constant voltage mode (CV) is applicable to load simulation of battery charger and constant current output power supply, and constant power mode (CP) can be used as load simulation of power battery pack and energy storage device.

Constant Current Mode

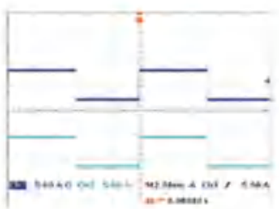
Constant Voltage Mode

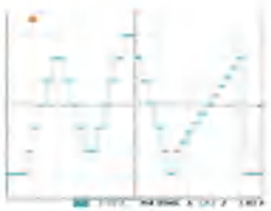
Constant Resistance Mode



Constant Power Mode

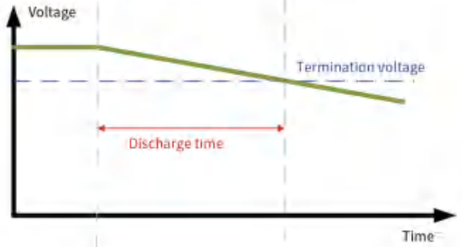
PEL-9150S series electronic load can not only simulate high-speed dynamic load changes with a frequency of up to 20KHz, but also simulate more stringent dynamic load changes, such as ladder load changes, pulse load changes, etc. It can also test the load characteristics of the tested products.

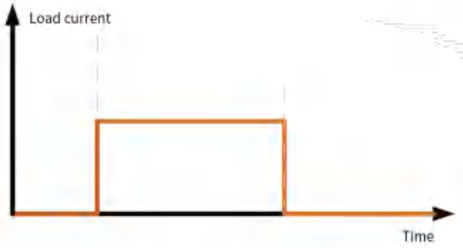




PEL-9150S series electronic load has 1000 sets of data storage capacity, and can be programmed to automatically run multiple sets of load switching; With 16-bit A/D conversion chip, it has high-precision voltage and current detection, and all data are displayed on the 5 "TFT color screen. RS-232C interface is equipped as standard, and GPIB remote control interface is optional to facilitate system integration.

PEL-9150S series electronic load can also be used to simulate the discharge of power battery. Set the size of the battery discharge load and use the constant power (CP) load mode to simulate the battery discharge characteristics. The cut-off discharge voltage of the battery is measured through the accurate measurement circuit, and the time required for the battery to discharge to the cut-off voltage point is calculated.





PEL-9150S series electronic load provides software calibration function, making daily maintenance easier. It also has OP, OV, OC, OT and positive-negative reverse alarm functions to ensure more stable and safe operationof the product. It is a reliable product for engineering test and automatic test system integration.

Programmable DC Electronic Load

PEL-9150S Series

Model	PEL-9150S1212		PEL-9150S1818		PEL-9150S2424	
Power	120W	1200W	180W	1800W	240W	2400W
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Current Range	0-12A	0-120A	0-18A	0-180A	0-24A	0-240A
CC Mode						
Range	0-12A	0-120A	0-18A	0-180A	0-24A	0-240A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.025Ω~250Ω	0.1Ω~5KΩ	0.0175Ω~175Ω	0.07Ω~3.5KΩ	0.0125Ω~125Ω	0.05Ω~2.5KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	2.5mA-0.5A/uS	25mA-5A/uS	4mA-0.8A/uS	40mA-8A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-18A	0-180A	0-24A	0-240A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		180A		240A	
Size (W*H*D) mm	425 X 175 X 640		425 X 175 X 640		425 X 175 X 640	
Weight (Kg)	20		24		28	

Model	PEL-9150S3030		PEL-9150S6060		PEL-9150S9090	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Current Range	0-30A	0-300A	0-60A	0-600A	0-90A	0-900A
CC Mode						
Range	0-30A	0-300A	0-60A	0-600A	0-90A	0-900A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.01Ω~100Ω	0.04Ω~2KΩ	0.005Ω~50Ω	0.02Ω~1KΩ	0.004Ω~35Ω	0.015Ω~700Ω
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-600W	0-6000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	5mA-1A/uS	50mA-10A/uS	10mA-2A/uS	0.1A-20A/uS	14mA-2.8A/uS	0.14A-28A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-30A	0-300A	0-60A	0-600A	0-90A	0-900A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-600W	0-6000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	300A		600A		900A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

Programmable DC Electronic Load

PEL-9150S Series

Model	PEL-9150S120120		PEL-9150S150150		PEL-9150S180120	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Current Range	0-120A	0-1200A	0-150A	0-1500A	0-120A	0-1200A
CC Mode						
Range	0-120A	0-1200A	0-150A	0-1500A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.0025Ω~25Ω	0.01Ω~500Ω	0.002Ω~20Ω	0.008Ω~400Ω	0.0025Ω~25Ω	0.01Ω~500Ω
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	20mA-4A/uS	0.2A-40A/uS	25mA-5A/uS	0.25A-50A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-120A	0-1200A	0-150A	0-1500A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	1200A		1500A		1200A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X1165 X 720	
Weight (Kg)	153		202		242	

Model	PEL-9150S240120		PEL-9150S300120		PEL-9150S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Current Range	0-120A	0-1200A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-120A	0-1200A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.0025Ω~25Ω	0.01Ω~500Ω	0.0025Ω~25Ω	0.01Ω~500Ω	0.0025Ω~25Ω	0.01Ω~500Ω
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-15V	0-150V	0-15V	0-150V	0-15V	0-150V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-120A	0-1200A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	1200A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X1520 X 720		880X1680 X 720	
Weight (Kg)	316		400		496	

Programmable DC Electronic Load

PEL-9600S Series

Model	PEL-9600S124.8		PEL-9600S187.2		PEL-9600S249.6	
Power	120W	1200W	180W	1800W	240W	2400W
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
CC Mode						
Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.4Ω~4KΩ	17.5Ω~8KΩ	0.26Ω~2.8KΩ	11Ω~8KΩ	0.2Ω~2KΩ	8.75Ω~8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	0.8mA-160mA/uS	8mA-1.6A/uS	1.2mA-240mA/uS	12mA-2.4A/uS	1.6mA-320mA/uS	16mA-3.2A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	48A		72A		96A	
Size (W*H*D) mm	425 X 175 X 640		425 X 175 X 640		425 X 175 X 640	
Weight (Kg)	20		24		28	

Model	PEL-9600S3012		PEL-9600S6024		PEL-9600S9036	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
CC Mode						
Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.16Ω~1.7KΩ	7Ω~8KΩ	0.08Ω~850Ω	3.5Ω~7KΩ	0.055Ω~500Ω	2.3Ω~4.5KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-600W	0-6000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	4mA-0.8A/uS	40mA-8A/uS	6mA-1.2A/uS	60mA-12A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-600W	0-6000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		240A		360A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

Programmable DC Electronic Load

PEL-9600S Series

Model	PEL-9600S12048		PEL-9600S15060		PEL-9600S18072	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
CC Mode						
Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.04Ω~425Ω	1.75Ω~3.5KΩ	0.032Ω~340Ω	1.4Ω~2.8KΩ	0.026Ω~285Ω	1.16Ω~2.3KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	8mA-1.6A/uS	80mA-16A/uS	10mA-2A/uS	0.1A-20A/uS	12mA-2.4A/uS	0.12A-24A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	480A		600A		720A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X1165 X 720	
Weight (Kg)	153		202		242	

Model	PEL-9600S24096		PEL-9600S300120		PEL-9600S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.02Ω~210Ω	0.875Ω~1.7KΩ	0.016Ω~170Ω	0.7Ω~1.4KΩ	0.016Ω~170Ω	0.7Ω~1.4KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	16mA-3.2A/uS	0.16A-32A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-60V	0-600V	0-60V	0-600V	0-60V	0-600V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	960A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X1520 X 720		880X1680 X 720	
Weight (Kg)	316		400		496	

Programmable DC Electronic Load

PEL-9800S Series

Model	PEL-9800S124.8		PEL-9800S187.2		PEL-9800S249.6	
Power	120W	1200W	180W	1800W	240W	2400W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
CC Mode						
Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.4Ω~4KΩ	17.5Ω~8KΩ	0.26Ω~2.8KΩ	11Ω~8KΩ	0.2Ω~2KΩ	8.75Ω~8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	0.8mA-160mA/uS	8mA-1.6A/uS	1.2mA-240mA/uS	12mA-2.4A/uS	1.6mA-320mA/uS	16mA-3.2A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-4.8A	0-48A	0-7.2A	0-72A	0-9.6A	0-96A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-120W	0-1200W	0-180W	0-1800W	0-240W	0-2400W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	48A		72A		96A	
Size (W*H*D) mm	425 X 175 X 640		425 X 175 X 640		425 X 175 X 640	
Weight (Kg)	20		24		28	

Model	PEL-9800S3012		PEL-9800S6024		PEL-9800S9036	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
CC Mode						
Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.16Ω~1.7KΩ	7Ω~8KΩ	0.08Ω~850Ω	3.5Ω~7KΩ	0.055Ω~500Ω	2.3Ω~4.5KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-800W	0-8000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	4mA-0.8A/uS	40mA-8A/uS	6mA-1.2A/uS	60mA-12A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-800W	0-8000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		240A		360A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

Programmable DC Electronic Load

PEL-9800S Series

Model	PEL-9800S12048		PEL-9800S15060		PEL-9800S18072	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
CC Mode						
Range	0-48A	0-480A	0-80A	0-800A	0-72A	0-720A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.04Ω ~ 425Ω	1.75Ω ~ 3.5KΩ	0.032Ω ~ 340Ω	1.4Ω ~ 2.8KΩ	0.026Ω ~ 285Ω	1.16Ω ~ 2.3KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	8mA-1.6A/uS	80mA-16A/uS	10mA-2A/uS	0.1A-20A/uS	12mA-2.4A/uS	0.12A-24A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-48A	0-480A	0-80A	0-800A	0-72A	0-720A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	480A		600A		720A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X1165 X 720	
Weight (Kg)	153		202		242	

Model	PEL-9800S24096		PEL-9800S300120		PEL-9800S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.02Ω ~ 210Ω	0.875Ω ~ 1.7KΩ	0.016Ω ~ 170Ω	0.7Ω ~ 1.4KΩ	0.016Ω ~ 170Ω	0.7Ω ~ 1.4KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	16mA-3.2A/uS	0.16A-32A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-80V	0-800V	0-80V	0-800V	0-80V	0-800V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	960A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X1520 X 720		880X1680 X 720	
Weight (Kg)	316		400		496	

Programmable DC Electronic Load

PEL-91200S Series

Model	PEL-91200S3012		PEL-91200S6024		PEL-91200S9036	
Power	300W	3000W	600W	6000W	900W	9000W
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
CC Mode						
Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.32Ω ~ 3.4KΩ	14Ω ~ 8KΩ	0.16Ω ~ 1.7KΩ	7Ω ~ 8KΩ	0.11Ω ~ 1KΩ	4.6Ω ~ 8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-300W	0-3000W	0-1200W	0-12000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	2mA-0.4A/uS	20mA-4A/uS	4mA-0.8A/uS	40mA-8A/uS	6mA-1.2A/uS	60mA-12A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-12A	0-120A	0-24A	0-240A	0-36A	0-360A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-300W	0-3000W	0-1200W	0-12000W	0-900W	0-9000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	120A		240A		360A	
Size (W*H*D) mm	425 X 175 X 640		425 X 350 X 640		550 X 635 X 720	
Weight (Kg)	32		64		116	

Model	PEL-91200S12048		PEL-91200S15060		PEL-91200S18072	
Power	1200W	12000W	1500W	15000W	1800W	18000W
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Current Range	0-48A	0-480A	0-60A	0-600A	0-72A	0-720A
CC Mode						
Range	0-48A	0-480A	0-120A	0-1200A	0-72A	0-720A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.08Ω ~ 850Ω	3.5Ω ~ 7KΩ	0.064Ω ~ 680Ω	2.8Ω ~ 5.6KΩ	0.052Ω ~ 570Ω	2.32Ω ~ 4.6KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	8mA-1.6A/uS	80mA-16A/uS	10mA-2A/uS	0.1A-20A/uS	12mA-2.4A/uS	0.12A-24A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function						
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-48A	0-480A	0-120A	0-1200A	0-72A	0-720A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-1200W	0-12000W	0-1500W	0-15000W	0-1800W	0-18000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	480A		600A		720A	
Size (W*H*D) mm	550 X 810 X 720		550 X 990 X 720		550 X1165 X 720	
Weight (Kg)	153		202		242	

Programmable DC Electronic Load

PEL-91200S Series

Model	PEL-91200S24096		PEL-91200S300120		PEL-91200S400120	
Power	2400W	24000W	3000W	30000W	4000W	40000W
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
CC Mode						
Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS	0.05%+0.1%FS	0.1%+0.1%FS
CR Mode						
Range	0.04Ω~420Ω	1.75Ω~3.4KΩ	0.032Ω~340Ω	1.4Ω~2.8KΩ	0.032Ω~340Ω	1.4Ω~2.8KΩ
Accuracy	Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S		Vin/Rset*(0.2%)+0.2%IF.S	
CV Mode						
Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.05%+0.05%FS		0.05%+0.05%FS		0.05%+0.05%FS	
CP Mode						
Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
Dynamic Mode						
T1&T2	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S	0.025-10mS	1mS-30S
Slew Rate	16mA-3.2A/uS	0.16A-32A/uS	20mA-4A/uS	0.2A-40A/uS	20mA-4A/uS	0.2A-40A/uS
Accuracy	10%±20uS		10%±20uS		10%±20uS	
Measure Function	Measure Function		Measure Function		Measure Function	
Voltage Range	0-120V	0-1200V	0-120V	0-1200V	0-120V	0-1200V
Accuracy	0.025%+0.05%FS		0.025%+0.05%FS		0.025%+0.05%FS	
Current Range	0-96A	0-960A	0-120A	0-1200A	0-120A	0-1200A
Accuracy	0.05%+0.1%FS		0.05%+0.1%FS		0.05%+0.1%FS	
Power Range	0-2400W	0-24000W	0-3000W	0-30000W	0-4000W	0-40000W
Accuracy	0.2%+0.2%FS		0.2%+0.2%FS		0.2%+0.2%FS	
General Parameter						
Short Current	960A		1200A		1200A	
Size (W*H*D) mm	550 X 1520 X 720		880 X1520 X 720		880X1680 X 720	
Weight (Kg)	316		400		496	

Model selection table of 150V series products

型号	电压	电流	功率
PEL-9150S1212	0-150V	120A	1200W
PEL-9150S1818	0-150V	180A	1800W
PEL-9150S2424	0-150V	240A	2400W
PEL-9150S3030	0-150V	300A	3000W
PEL-9150S6060	0-150V	600A	6000W
PEL-9150S9090	0-150V	900A	9000W
PEL-9150S120120	0-150V	1200A	12KW
PEL-9150S150150	0-150V	1500A	15KW
PEL-9150S180120	0-150V	1200A	18KW
PEL-9150S240120	0-150V	1200A	24KW
PEL-9150S300120	0-150V	1200A	30KW
PEL-9150S400120	0-150V	1200A	40KW

Model selection table of 600V series products

型号	电压	电流	功率
PEL-9600S124.8	0-600V	48A	1200W
PEL-9600S187.2	0-600V	72A	1800W
PEL-9600S249.6	0-600V	96A	2400W
PEL-9600S3012	0-600V	120A	3000W
PEL-9600S6024	0-600V	240A	6000W
PEL-9600S9036	0-600V	360A	9000W
PEL-9600S12048	0-600V	480A	12KW
PEL-9600S15060	0-600V	600A	15KW
PEL-9600S18072	0-600V	720A	18KW
PEL-9600S24096	0-600V	960A	24KW
PEL-9600S300120	0-600V	1200A	30KW
PEL-9600S400120	0-600V	1200A	40KW

Model selection table of 800V series products

型号	电压	电流	功率
PEL-9800S124.8	0-800V	48A	1200W
PEL-9800S187.2	0-800V	72A	1800W
PEL-9800S249.6	0-800V	96A	2400W
PEL-9800S3012	0-800V	120A	3000W
PEL-9800S6024	0-800V	240A	6000W
PEL-9800S9036	0-800V	360A	9000W
PEL-9800S12048	0-800V	480A	12KW
PEL-9800S15060	0-800V	600A	15KW
PEL-9800S18072	0-800V	720A	18KW
PEL-9800S24096	0-800V	960A	24KW
PEL-9800S300120	0-800V	1200A	30KW
PEL-9800S400120	0-800V	1200A	40KW

Model selection table of 1200V series products

型号	电压	电流	功率
PEL-91200S3012	0-1200V	120A	3000W
PEL-91200S6024	0-1200V	240A	6000W
PEL-91200S9036	0-1200V	360A	9000W
PEL-91200S12048	0-1200V	480A	12KW
PEL-91200S15060	0-1200V	600A	15KW
PEL-91200S18072	0-1200V	720A	18KW
PEL-91200S24096	0-1200V	960A	24KW
PEL-91200S300120	0-1200V	1200A	30KW
PEL-91200S400120	0-1200V	1200A	40KW

High Power Meter

MPM-1010/1010B

- The six test parameters V, A, P, PF/F/Apk
- The upper and lower limit of power factor, current and power, and there is a sound light alarm, suitable for production line batch test
- The wider frequency response is 15hz-650hz, exceeding all products at the same level
- Direct way saves the wiring trouble, enhance the security and convenience
- Precision resistance sampling technology, suitable for a wider range of products

MPM-1010 high-precision power meter applies direct plug mode instead of traditional terminal posts according to customers suggestion, to improve safety and convenience. The voltage and current sampling section uses precision resistance direct sampling instead of traditional transformer sampling, which ensures the original data is undistorted and improves the accuracy of the instrument. And this machine is especially adapted to some half wave and other various waveform measurement of DC component, testing full wave resistance, the distorted wave, half wave, symmetrical and unsymmetrical square wave, triangle wave, sawtooth wave and other special waveform under AC mode. It is a high cost-effective product with novel appearance and scientific design. It is widely used in mobile phone charger, adapter, switch power, household appliance, transformer and other industries.

Model	MPM-1010	MPM-1010B
4 window display	V、A、P、Apk/PF/F	V、A、P、Apk/PF/F
The input voltage	1V~300V	1V~300V
Input current	2mA-10A	2mA-10A
Power range	0.3W-3000W	0.01W-3000W
Precision	0.4%RD+0.1%FS+1d	0.4%RD+0.1%FS+1d
Switch range	automatic	automatic
Power factor	-1.000/+1.000	-1.000/+1.000
Frequency response	AC:15Hz~650Hz	AC:15Hz~650Hz
Hi - Low setting	V、A、P、PF	V、A、P、PF
Sound and light alarm	√	√
The key lock	√	√
The machine electricity	110V/220V Switchable	110V/220V Switchable
Communication methods	RS-232(Optional)	RS-232
Net weight (kg)	2.5	2.5
Gross weight (kg)	3.6	3.6
Instrument size (W*H*D)	225*100*305	220*105*360
Packing size (W*H*D)	300*210*420	300*210*480

Digital LCR Meter

MCR-5000 Series

MCR5000 series is a multifunctional LCR precision meter used for testing various electronic components. Adopt 4.3-inch TFT LCD display, simple display, elegant layout. It is a high speed, wide band, 5 bit test resolution impedance measuring instrument with 40hz-200khz multiple frequency points and 0.1% accuracy, which can meet the requirements of component parameter detection in various occasions. It's a high - quality cost-effective tester

Standard USB Host☑ RS232☑ Handler(MCR5100/5200) ☑

Optional USB Device☐ GPIB☐ Earphone Jack☐ Foot Pedal☐

- With new 32-bit core,the data are completely compared with foreign first-class equipment
- 4.3 inch true color TFT display
- 30Ω , 100Ω two types of different signal source output resistance
- Built - in comparator, 5 grade flexible quanlified and defective alarming mode
- Automatically save test conditions after shutdown,user-friendly operation
- Internal more than 100 sets of settings files, U disk extension to save multiple groups of test or recall simplified
- Chinese,English is optional
- U disk copy screen function, test data saving function, support FAT16 format, FAT32 file system,standard with RS232, USB HOST
- USB DEVICE, headphone interface, foot pedal interface and GPIB are optional

Model	MCR-5010	MCR-5030	MCR-5100	MCR-5200
Test parameter	L,C, R, | Z|, D, Q , X , ESR , θ(Deg),θ(Rad)			
Test frequency	100Hz、120Hz、1kHz 、10kHz	100Hz、120Hz、1kHz、10kHz、20kHz、30kHz	40Hz、50Hz、60Hz、75Hz、100Hz、120Hz、150Hz、200Hz、250Hz、300Hz、400Hz、500Hz、600Hz、750Hz、800Hz、1kHz、1.5kHz 、2kHz、2.5kHz、3kHz、4kHz 、5kHz、6kHz、7.5kHz、10kHz 、12kHz、15kHz、15.7kHz、16.2kHz、20kHz、25kHz、30kHz、40kHz、50kHz、60kHz 、66.6kHz、75kHz、100kHz in total 38 frequency points	40Hz、50Hz、60Hz、75Hz、100Hz、120Hz、150Hz、200Hz、250Hz、300Hz、400Hz、500Hz、600Hz、750Hz、800Hz、1kHz、1.5kHz、2kHz、2.5kHz、3kHz、4kHz、5kHz、6kHz、7.5kHz、10kHz、12kHz、15kHz、15.7kHz 、16.2kHz、20kHz、25kHz、30kHz、40kHz、50kHz、60kHz、66.6kHz、75kHz、100kHz、120kHz、150kHz、200kHz in total 41 frequency points
Basic measurement accuracy	0.15%	0.1%		
Test signal level	0.05V, 0.1V、0.2V, 0.25V,0.3V、0.3V, 0.4V, 0.5V, 1V			
Equivalent circuit	In series, in parallel			
Mathematical functions	Percentage deviation			
Range way	Automatic, hold, manual selection			
Trigger mode	Internal, manual, external, bus			
Measure speed (≥1kHz)	High speed: The fastest is 30 times/second, middle speed: 10times/second,low speed: 3times/second			
Average time	1—255			
Delay times	0—6s, step is 1ms			
Calibration function	Open circuit/ short circuit / quick reset			
Display mode	Direct reading , Δ% , V/I (Measured voltage/current monitoring)			
Displayer	5 digit display of main and minor parameters , 4.3 inch true color LCD displayer			
Output impedance	30 Ω, 100Ω optional			
Display range				
|Z|, R , X , ESR	0.1mΩ — 99.999MΩ			
C	0.01 pF — 9.9999F			
L	0.01 μH — 99999 H			
D	0.0001 — 9.9999			
Q	0.0001 — 9999.9			
θ (Deg)	-179.99° — 179.99°			
θ (Rad)	-3.1416 — 3.1416			
Δ%	-999.99% — 999.99%			
Others				
Comparator function	5 grades of sorting function((Except MCR5010))			
Storage	More than 100 sets of internal instrument settings for storage/call, U disk extension of more than 500 sets			
Port	RS232、HANDLER(Except MCR5010/5030)、USB HOST are standard			
Net weight (kg)	3.5			
Gross weight (kg)	4.5			
Instrument size (W*H*D)	240*100*330			
Packing size (W*H*D)	330*210*425			

High Precision LCR Meter

MCR-6000A Series

MCR6000A series high-precision digital bridge is a multifunctional component parameter tester for various electronic components inspection.High speed,stable,12Hz-600kHz continuous frequency point and 0.05% accuracy,can meet the requirements of production line quality control,incoming inspection and laboratory meansurement,etc.

Standard USB Host☑ USB Device☑ RS232☑ Handler ☑

Optional GPIB☐ Headphone Jack☐ Foot Pedal☐

- With new 32-bit core.the data are completely compared with foreign first-class equipment
- 4. 3inch true color TFT display device
- 12Hz-600kHz testing frequency, frequency point continuously adjustable
- 0.05% bacis testing accuracy, high speed in testing
- 0V,1.5V, 2V, Internal DC bias. Accuracy: 1%
- Automatic level control function ,test voltage or current
- 30Ω, 50Ω, 100Ω, 10/CC four different signal output impedance
- Built-in comparator, 11 files sorting and file counting function
- 10-point list scan function
- The instrument software version can be upgraded and updated through USB
- U disk copy screen function can save data, support FAT32 data system
- Standard with RS232C, USB HOST, USB DEVICE HANDLER
- Matching GPIB, headphone jack.

Model		MCR-6100A	MCR-6200A	MCR-6600A
Test parameter		| Z|, |Y|, C, L, X, B, R, G, D, Q, θ ,DCR		
Test frequency		12Hz-100kHz	12Hz-200kHz	12Hz-600kHz
Basic testingf accuracy		0.05%		
Equivalent circuit		In series, in parallel		
Mathematical functions		Percentage deviation		
Range way		Automatic, hold, manual selection		
Trigger mode		Internal, manual, external, bus		
Measure speed (≥1kHz)		High speed: The fastest is 75 times/second (customizable) , middle : 12times/second,low: 3times/second		
Average time		1—255		
Delay time		0—6s, step is 1ms		
Calibration function		Open circuit/ short circuit / quick reset		
Display mode		Direct reading , Δ , Δ% , V/I (Measured voltage/current monitoring)		
Displayer		5 digit display of main and minor parameters , 4.3 inch true color LCD displayer		
Testing signal				
Output impedance		30 Ω , 100Ω , 10/100 , 10/CC optional		
Test signal level		Normal : 5mV~2V Accuracy : 10% , 1mV step Constant level : 10mV~1V Accuracy : 5% , 1mV step See product manual for details		
DC bias source	Internal	0V , 1.5V , 2V , Accuracy 1%		
	Matching	IV1A:0~1A DC bias source option		
Display range				
|Z|, R , X		0.01mΩ — 99.9999 MΩ		
DCR		0.001 mΩ — 99.9999 MΩ		
|Y|, G , B		0.00001μS — 99.9999S		
C		0.00001pF — 9.9999F		
L		0.00001μH — 99.9999kH		
D		0.00001 — 9.9999		
Q		0.00001 — 9999.9		
θ (DEG)		-179.999° — 179.999°		
θ (RAD)		-3.14159 — 3.14159		
Comparator function		10 grade: (9 grades qualified, 1 grades not qualified), otherwise with AUX grade		
Multiparameter		Four parameters can be selected for simultaneous measurement and display		
Curve scan function		Under various test conditions, perform graphic scanning analysis on the test piece		
Storage		More than 100 sets of internal instrument settings for storage /call, U disk extension of more than 500 sets		
Interface		Standard with RS232C, HANDLER, USB HOST, USB DEVICE, Headphone jack, Foot pedal interface; Matching with GPIB, LAN		
Instrument size (W*H*D)		265*100*340		
Packing size (W*H*D)		335*210*420		
Net weight (kg)		4.5		
Gross weight (kg)		5.8		

High Precision LCR Meter

MCR-8000H Series

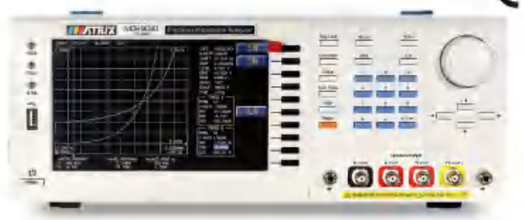
- With new 32-bit core,the data are completely compared with foreign first-class equipment
- 7 inch true color TFT display
- 20Hz-5MHz testing frequency, frequency point continuously adjustable
- 0.05% bacis testing accuracy, high speed in testing.
- -5V~+5V(-100mA~+100mA)Internal DC bias
- Automatic level control function
- Graphic scan analysis function,support frequency/level/bias scanning to gain insight into the characteristics of the tested part
- 30Ω , 50Ω, 100Ω, 10/CC four different signal outp out impedance
- Built-in comparator, 10 files sorting and file counting function
- 10-point list scan function
- The instrument software version can be upgraded and updated through USB
- U disk copy screen function can save data, support FAT32 data system
- Standard with RS232C, USB HOST, USB DEVICE HANDLER, headphone jack, foot pedal interface
- Matching GPIB

Standard USB Host☑ USB Device☑ RS232☑ Handler ☑ Headphone Jack☑ Foot Pedal☑ Optional GPIB☐

Model		MCR-8100H	MCR-8200H	MCR-8500H
Test parameter		| Z|, |Y|, C, L, X, B, R, G, D, Q, θ ,DCR		
Test frequency		20Hz-1MHz , 0.01Hz resolution	20Hz-2MHz,0.01Hz resolution	20Hz - 5 MHz , 0.01Hz resolution
Basic testingf accuracy		0.05%		
Equivalent Circuit		In series, in parallel		
Mathematical functions		Absolute deviation , percentage deviation		
Range way		Automatic, hold, manual selection		
Trigger mode		Internal, manual, external, bus		
Measure speed (≥1kHz)		High speed: The fastest is 200 times/second (customizable) , middle : 12times/second,low: 3times/second		
Average time		1—255		
Delay time		0—6s, step is 1ms		
Calibration function		Open circuit/ short circuit / load		
Display mode		Direct reading , Δ% , V/I (Measured voltage/current monitoring)		
Displayer		800*480 RGB 7 inch 16 : 9 TFT LCD display		
Testing signal				
Output impedance		30 Ω , 100Ω , 10/100 , 10/CC optional		
Test signal level		Normal : 5mV~5V Accuracy : 10% , 1mV step Constant level : 10mV~1V Accuracy : 5% , 1mV step		
DC bias source	Internal	-5V~+5V(-100mA~+100mA)Built-in bias current source , 5% , 1mV step		
	Matching	IV100mA:±10V(±100mA)DC bias source option		
		IV1A:0~1 DC bias source option		
Display range				
|Z|, R , X		0.01mΩ — 99.9999 MΩ		
DCR		0.01 mΩ — 99.9999 MΩ		
|Y|, G , B		0.00001μS — 99.9999S		
C		0.00001pF — 9.9999F		
L		0.00001μH — 99.9999kH		
D		0.00001 — 9.9999		
Q		0.00001 — 9999.9		
θ (DEG)		-179.999° — 179.999°		
θ (RAD)		-3.14159 — 3.14159		
Comparator function		10 grade: (9 grades qualified, 1 grades not qualified), otherwise with AUX grade		
Storage		More than 100 sets of internal instrument settings for storage/call,U disk extension of more than 500 sets		
Interface		Standard with RS232C, HANDLER, USB HOST; Matching with USB DEVICE, Headphone jack, Foot pedal interface,GPIB		
Instrument size (W*H*D)		370*125*340		
Packing size (W*H*D)		445*260*495		
Net weight (kg)		7.4		
Gross weight (kg)		9.7		

Precision Impedance Analyzer

MCR-9000 Series



Standard USB Host☑ USB Device☑ RS232☑ Handler ☑ Headphone Jack☑ Foot Pedal☑ Optional GPIB☐

- Signal source frequency range: DC,10Hz~5/10/20/30MHz
- Source position: variable voltage 10mV~2V/Variable current 200μA~20mA
- Basic impedance measuring accuracy: ±0.05%
- Automatic level control(ALC)function
- Output impedance 25Ω/100Ω switchable
- High cost efficient. Have basic measuring, drawing analysis function, also have support dielectric and permeability measurement
- High meauring speed<3mS(fastest)
- Open circuit/ short circuit/ load correction function
- Up to four component parameters can be selected in the meter mode. and the inductance value and DCR value can be measured and displayed simultaneously
- Automatic component classification :Conparator and Bin classification function of HANDLER interface
- Built-in DC bias voltage -12V ~+12V(6632)
- USB/GPIB/RS232/LAN Interface, Optional PC connection data analysis software can be purchased for fast automation and data access
- Ultra low power consumption<30W, fanless design, zero noise

| Select the scan function to display the curve chart

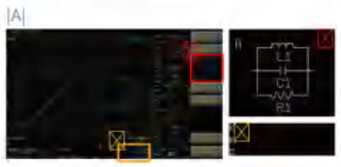
The graph displays the measurement information on the screen as a graph. Through the graph scanning function, the electrical characteristics of the component can be analyzed quickly

| The multi-step list tests the automatic programming capabilities

The customer can perform a series of measurements on the component according to a self-defined sequence of steps When all the test steps are completed, the screen will display the test results of the parameters selected for each step (PASS/HI/LO)or upload the data to the computer

| Seven types, equivalent line analysis(optional)

Modeling and curve simulation of various equivalent circuit models. seven different models. combined with different types of parameters(resistance, inductance, capacitance), can see three or four component values, as well as the self-resonance frequency(SRF)



Standard accessories

High frequency DIP fixture (MF-619)

Optional accessories

- Kelvin testing lead (MF-4001)
- BNC test extension cord (MF-3001A/B/C)
- High frequency DIP component test fixture (MF-6006)
- Dielectric constant fixture (MF-6007)
- Permeability coefficient fixture (MF-6008)
- Material test fixture (MF-6009)
- High frequency precision down-pressure SMD test fixture (MF-6010)
- High frequency precision tweezers type test wire clamp (MF-6011)
- High frequency precision SMD test fixture (MF-6012)
- (Liquid Dielectric Material Test Fixture) (MF-6020)

MF-4001 MF-3001A/B/C MF-6006 MF-6007




MF-6008 MF-6009 MF-6010 MF-6011 MF-6012





Model	MCR-9005	MCR-9010	MCR-9020	MCR-9030
Test parameter	|Z|, |Y|, C, L, X, B, R, G, D, Q, θ ,DCR , Vdc-Idc , ESR, μr , εr			
Test frequency	10Hz-5mHz	10Hz-10mHz	10Hz-20mHz	10Hz-30mHz
Minimum resolution	100mHz, 6-digit frequency input			
Accuracy	7ppm±100mHz			
Basic measurement accuracy	0.08%			
AC measuring				
Test signal voltage range	10mV~2Vrms			
Minimum voltage resolution	1mV			
Accuracy	ALC OFF:10%* Set voltage ±2mV ALC ON:6%* Set voltage±2mV			
Test signal current range	200μA~200mArms			
Minimum resolution current	10μA			
Accuracy	ALC OFF:10%* Set current ±20μA ALC ON:6%* Set current ±20μA			
Measuring speed (fastest)	<3ms			
Output impedance	Switchable 25Ω , 100Ω			
Measurement mode	Meter mode,Multi-step list,Graphics scan			
Calibration function	Open circuit / short circuit / load			
Equivalent Circuit	Series , Parallel			
Equivalent model analysis (optional)	Three components(4 models), four components (3 models)			
Multi-step list test	15 test steps			
Built-in DC bias voltage	-12~+12V , 100Hz~30MHz			
PC LINK / CPK report environment	Optional			
Internal storage memory	100 groups of LCR meter setting files , 50 groups of multi-step test setup(each group have 15 test steps)			
External USB memory	lcr meter setting files, BPM image,multi-step test configuration file,scan image and data			
Parameter measuring range	|Z|	0.000mΩ~9999.99MΩ	Cs,Cp	0.00000pF~9999.99F
	R,X	±0.000mΩ~9999.99MΩ	Ls,Lp	±0.000nH~9999.99kH
	|Y|	0.00000μS~999.999kS	D	0.00000~9999.99
	G,B	±0.00000μS~999.999kS	Q	±0.00~9999.99
	θRAD	±0.00000~3.14159	Δ	±0.00%~9999.99%
	θDEG	±0.000°~180.000°	Rdc	0.00mΩ~99.999MΩ
	εr ' εr'	0~100000	μr' μr'	0~100000
interface	I/O interface	HANDLER		
	Serial communication interface	USB、RS232、LAN		
	Parallel communication interface	GPIB		
Display	7.0 "TFT , 800*480 color display			
Operating environment	Temperature : 10℃~40℃ , Humidity≤80%RH			
Input power supply	Voltage	90~264Vac	Frequency	47~63Hz
Instrument size (W*H*D)	359*147*343			
Packing size (W*H*D)	495*280*480			
Net weight (kg)	3.95			
Gross weight (kg)	6.3			

Component testing instrument

MOM-804/805

Standard: RS-232C / USB HOST / USB DEVICE

Standard: temperature port / HANDLER

Optional: GPIB

Features

- The new 32-bit core processor, the data is completely compared with foreign first-class equipment
- 4.3inch true color TFT display
- U disk saves the test result directly, which is more convenient to save
- Maximum basic measurement accuracy of 0.05%
- Temperature compensation function, temperature convertion function
- Basic accuracy of temperature0.1°C
- Statistical function, providing CpK, Cp and other statistics
- Built-in comparator, dorting HI,LO,IN
- Internal more than 100 groups of setting files, U disk can expand more than 500 groups of test files to save or recall
- The software version of the instrument can be upgraded and updated through USB HOST
- The USB flash drive supports FAT16 and FAT32 file systems

Standard USB Host☑ USB Device☑ RS232☑ Optional GPIB☐

Model	MOM-804	MOM-805
Precision and function		
R basic accuracy	0.08%+2digit	0.05%+2digit
Testing speed	Power at 50Hz, high speed: 22ms, intermediate speed: 42 ms, low speed: 102 ms, high speed2: 7ms; when power at 60Hz, high speed: 18.5ms, middle speed: 35 ms, low speed: 102 ms, high speed2: 7ms;Above is the speed when the display is closed, When the display is on, an additional display time of 10ms is added.	
Statistics	Statistics of CpK, Cp, etc	
Measure way	Auto, Hold, manual selection	
Trigger	Internal, external	
Average time	1—255	
Delay times	0—9999ms, 1ms Step	
Calibration function	Short circuit clearing, return to zero, load correction	
Test Side Configuration	Four terminal	
Display way	Direct read, Δ%	
Range and test current	1μΩ~20kΩ	10μΩ~200kΩ
	20mΩ (1A) : 1μΩ~20mΩ	200 mΩ (100mA) : 10μΩ~200 mΩ
	200 mΩ (100mA) : 20mΩ~200 mΩ	2Ω (100mA) : 200mΩ~2Ω
	2Ω (100mA) : 200mΩ~2Ω	20Ω (10mA) : 2Ω~20Ω
	20Ω (10mA) : 2Ω~20Ω	200Ω (1mA) : 20Ω~200Ω
	200Ω (1mA) : 20Ω~200Ω	2kΩ (100μA) : 200Ω~2kΩ
	2kΩ (100μA) : 200Ω~2kΩ	20kΩ (100μA) : 2kΩ~20kΩ
	20kΩ (100μA) : 2kΩ~20kΩ	200kΩ (10μA) : 20kΩ~200kΩ
comparator		
Sorting	HI、LO、IN	
Temperature measurement(MOM-805)		
Basic accuracy	0.1℃	
Measure time	100±10ms	
Temperature sensor	Pt, measure range -10.0℃~99.9℃	
	Analog input: 0~2V, range: -99.9℃~999.9℃	
Temperature compensation function	Convert to the resistance value at set temperature	
Temperature conversion function	A change in resistance value is converted to a change in temperature	
Others		
Display	24-bit true color TFT LCD with 480×272 resolution	
Storage	More than 100 groups of internal storage, U disk more than 500 groups	
Interface	Standard HANDLER、USB HOST、USB DEVICE、temperature interface (only IOM2518B)、RS232C ,GPIB is optional	
Machine size (W*H*D) mm	240*100*330	
Packing size (W*H*D) mm	335*210*425	
Net weight (kg)	3.6	
Gross weight(kg)	4.9	

Programmable Electrical Safety Tester

MST-8101/8103

Standard RS232

- 4.3-inch TFT color screen display, clear at a glance
- 105 test files can be compiled, and 25 test steps can be set for each file
- Current resolution up to 0.1μA, accurate
- Automatic discharge function after the test is over
- Up to 10GΩ insulation resistance test range
- 100VA capacity

Model			MST-8101	MST-8103
Function Description			AC	AC/DC/IR
Withstand voltage test				
lose Out Electricity Pressure	AC	voltage range	0.050kV—5.000kV	0.050kV—5.000kV
		Voltage waveform	Sine wave	Sine wave
		Distortion	< 3%	< 3%
		working frequency	50、60Hz optional	50、60Hz optional
		Frequency accuracy	±1%	±1%
		Output Power	100VA (20mA)	100VA (20mA)
		Voltage regulation rate	± (1.0% +50V) (rated power)	± (1.0% +50V) (rated power)
	DC	voltage range	-	0.050 kV—6.00kV
		Signal source frequency	-	600Hz
		Output Power	-	50VA (10mA)
		Voltage regulation rate	-	± (1.0% +100V) (rated power)
	Voltage resolution		1V	1V
	Voltage test accuracy		±2%	±2%
	Voltage generation method		DDS signal source plus class AB power amplifier	DDS signal source plus class AB power amplifier
Electricity flow Measurement test Fan Surround	AC	Current range	0.001mA – 20.00 mA	0.001mA – 20.00 mA
		Short circuit current (momentary)	>40 mA	>40 mA
		Current resolution	0.001 mA	0.001 mA
		Current accuracy	± (2% of reading + 2 words)	± (2% of reading + 2 words)
		Actual current	OFF-0.001 mA-20 mA	OFF-0.001 mA-20 mA
	DC	Current range	-	0.1uA – 10.00mA
		Current accuracy	-	± (2% reading + 2 digits)
	Discharge function			Automatic discharge after the test (DCW)
Insulation resistance test (MST-8103 only)				
The output voltage			0.050V – 1.000kV	
Voltage resolution			1V	
Voltage test accuracy			±2%	
Maximum output current			10mA	
Maximum output power			10VA (1000V/10mA)	
Output instantaneous short-circuit current			>20mA	
Load Regulation			≤ 1 % (rated power)	
Ripple (1kV)			≤ 3% (1kV , no load)	
Discharge function			Automatic discharge after the test	
Resistance measurement range			0.1MΩ– 10GΩ	
Resistance measurement accuracy			Voltage < 500V: 0.2M Ω ~ 1G Ω accuracy: [± 10% reading + 5 words] 1G Ω ~ 10G Ω accuracy: [± 20% reading + 5 words] Voltage > 500V: 0.2M Ω ~ 1G Ω accuracy: ± [3% reading + 5 words] 1G Ω – 10G Ω accuracy: ± [7% reading + 5 words]	
Arc detection			MST-8101	MST-8103
Measuring range	AC、DC		AC:1mA – 20mA (9 gears, fine-tuning)	AC、DC:1mA – 20mA(9 gears, fine-tuning)
Comparators				
Discrimination method			Window comparator mode I at the ON : When I at <Ix <I on, the PASS ; when Ix is ≤ I or under Ix is ≥ I on, FAIL (article items I at <I on) I down OFF : when Ix< I up, PASS ; when Ix ≥ I up, FAIL; the insulation resistance judgment method is the same as above	
Capping current I on	AC、DC		AC: 0.001mA – 20mA	AC: 0.001mA – 20mA DC: 0.1uA – 10mA
Current upper limit setting I under	AC、DC		AC: 0.001mA – 20mA	AC: 0.001mA – 20mA DC: 0.1uA – 10mA
Resistance upper limit setting			OFF - 0.2MΩ - 10GΩ	
Resistance lower limit setting			0.2MΩ– 10GΩ	
Parameter setting				
Voltage rise time			0.1s – 999.9s	
Voltage drop time			0 s – 999.9s , (only after the withstand voltage PASS)	
Voltage waiting time			0.3s - 999.9s (only DC withstand voltage, and meet the rise time + test time > waiting time)	
Test time setting			0.3s - 999.9s (when TIMER ON)	
Time accuracy			±(0.2% setting value ± 0.1s)	
Protocol			SCPI , Modbus	
storage			105 test files can be programmed , and 25 test steps can be set for each file	
interface			HANDLER , SINGAL , RS232C , RS485 (optional)	
Size (W*H*D)	mm		215*143*405 (without terminal)	
weight	kg		12	

Dual Channel Analog Oscilloscope

MOS-620

- Dual channel 20MHz
- Scan extension X10 function
- TV synchronization, X-Y mode
- High luminance, internal calibrated CRT
- Japanese electronic code switch, light and reliable
- Sealed attenuation switch is durable
- ALT trigger function, can measure two irrelevant signals

Model	MOS-620
Vertical system	**Trigger**
Sweep time: 0.2μSec~0.5Sec/DIV , 20 steps in 1-2-5 sequence	Trigger source: CH1, CH2, LINE,EXT
Accuracy: ±3%	Trigger Coupling: AC: 20Hz to full bandwidth
Fine: ≤1/2/5 panel indication scale	Trigger slope: +/-
Sweeping magnification: 10 times	Sensitivity: 20Hz~2MHz: 1DIV TRIG-ALT: 2DIV EXT:200mV
X10MAG sweep time accuracy: ±5% (20nSec~50nSec not calibrated)	2MHz~20MHz: 1.5DIV TRIG-ALT: 3DIV EXT:800mV
Linear: ±5%X10MAG: ±10% (0.2s~1μs)	TV: Sync pulse > 1DIV(EXT:1V)
Displacement caused by X10MAG: < 2DIV at the center of CRT	Trigger mode: AUTD: AUTO NORM: NORM
X-Y mode	TV field: when you want to observe a TV signal;
Sensitivity: same as vertical axis	TV line: (only when the sync signal is negative pulse, the TV field and TV line can be synchronized)
Frequency range: DC~500kHz	External trigger mode model
X-Y phase error: ±3° (DC~50kHz)	Input impedance: Approx. 1MΩ/25pF
Horizontal system	Max. Input voltage: 300V(DC+AC peak) AC frequency: 1kHz or lower
Sensitivity: 5mV~5V/DIV, 10 steps in 1-2-5 sequence	**Calibration signal**
Sensitivity and accuracy: ≤3%; 1/2.5 or smaller than the panel indicating scale	Waveform: Square wave
Frequency range: DC~20MHz	Freq.: Approx.1kHz
AC coupling: <10Hz (100kHz 8DIV frequency response:-3dB)	Duty cycle: <48: 52
Rise time: Approx. 17.5nS	Output voltage: 2Vp-p±2%
Input resistance: Approx. 1M/25pF	Output impedance: Approx.1kΩ
DC balance movement: 5mV~5VDIV: ±0.5DIV	**CRT oscilloscope tube**
Linear: When the waveform moves vertically in the center of the grid (2DIV)	Model : 6 inch rectangular internal graticule
Amplitude change < ±0.1DIV	Phosphor powder specifications: P31
Vertical mode: CH1: CH2: DUAL: CH1 and CH2 display simultaneously; Speed can be selected alternately or intermittently	Acceleration voltage: Approx. 2kV (20MHz)
ADD: CH1 and CH2 do algebraic addition	Valid display: 8X10DIV [1DIV=10mm(0.39in)]
Intermittent repetition frequency: Approx. 250kHZ	Graticule: internal
Input coupling: AC GND DC	Trace rotation: adjustable at front panel
Maximum input voltage: 300V peak (AC : Freq.≤1kHz)	**Technical characteristic**
Common mode rejection ratio: >50:1 at 50kHz sine wave (Set the sensitivity of CH1 and CH2 the same)	Power source: AC 220C±10% (standard) , AC 110V/220V
Insulation between 2 channels (in the range of 5mV/DIV):	±10% (optional) 50Hz/60Hz, 35VA Maximum
> 1000:1 50kHz; > 30:1 15MHz / > 30:1 35MHz; > 30:1 45MHz	Dimension: 455 (W) *150(H)*310(D)mm
CH2 INV BAL: Balance point change rate ≤ 1DIV (corresponding to the scale center)	Weight: Approx. 8kg

Super- Economical Digital Storage Oscilloscope

MDS-2000 Series

- Bandwidth : 150MHz/250MHz
- 2-Channel + Sample rate : 1GS/s
- Ultra-thin body + 7 inch high resolution LCD
- SCPI, and LabVIEW supported

Model	MDS-2152	MDS-2252
Bandwidth	Up to 150MHz	Up to 250MHz
Sample Rate	1GS/s	
Horizontal Scale (s/div)	2ns/div - 1000s/div, step by 1 - 2 - 5	
Rise Time (at input, typical)	≤3.5ns	≤1.7ns
Channel	2	
Display	7" color LCD, 800 x 480 pixels	
Input Impedance	1MΩ ± 2%, in parallel with 20pF±5pF	
Channel Isolation	50Hz : 100 : 1, 10MHz : 40 : 1	
Max Input Voltage	400V (PK - PK) (DC+AC, PK - PK)	
DC Gain Accuracy	±3%	
Record Length	10K	
DC Accuracy (average)	Average≥16: ±(3% reading + 0.05 div) for △V	
Probe Attenuation Factor	1X, 10X, 100X, 1000X LF Respond (AC, -3dB)	
LF Respond (AC, -3dB)	≥10Hz (at input, AC coupling, -3dB)	
Sample Rate / Relay Time Accuracy	±100ppm	
Interpolation	sin (x) / x	
Interval (△T) Accuracy (full bandwidth)	Single : ±(1 interval time + 100ppm x reading + 0.6ns), Average>16 : ±(1 interval time + 100ppm x reading + 0.4ns)	
Input Coupling	DC, AC , and GND	
Vertical Resolution (A/D)	8 bits (2 channels simultaneously)	
Vertical Sensitivity	5mV/div - 5V/div (at input)	
Trigger Type	Edge, Video	
Trigger Mode	Auto, Normal, and Single	
Trigger Level	±5 divisions from screen center	
Line / Field Frequency (video)	NTSC, PAL and SECAM standard	
Cursor Measurement	△V, and △T between cursors	
Automatic Measurement	Vpp, Vavg, RMS, Frequency, Period, Vmax, Vmin, Vtop, Vbase, Width, Overshoot, Pre-shoot, Rise time, Fall time, +Width, -Width, +Duty, -Duty, Delay A→B , Delay A→B , area, cycle area	
Waveform Math	+, -, x, ÷, invert, FFT	
Waveform Storage	16 waveforms	
Lissajous	Full bandwidth	
Figure	±3 degrees	
Communication Interface	USB host, USB device	
Frequency Counter	available	
Power Supply	100V - 240V AC, 50/60Hz, CAT II	
Power Consumption	< 15W	
Fuse	2A, T class, 250V	
Dimension (W x H x D)	301 x 152 x 70 mm	
Device Weight	1.10 kg	

Two Channel Function/ Arbitrary Waveform Generator

MFG-3000 Series

- 3.5-inch 480×320TFT LCD with clear graphic interface
- Sampling rate: 200MSa/S, vertical resolution: 13 bit and storage depth: 8k
- 5 basic waveforms and 32 arbitrary waveforms in-built
- Internal/external AM, FM, PM, ASK, FSK and PSK modulation function
- With RS232 interface, USB Device, USB Host interface supporting USB flash disk storage (USB Host Optional)

Standard USB Device☑ RS232☑

Optional USB Host☐

Frequency Characteristics	MFG-3215	MFG-3225	MFG-3240	MFG-3260
MODEL	15M type	25M type	40M type	60M type
Sine	1μHz ~ 15MHz	1μHz ~ 25MHz	1μHz ~ 40MHz	1μHz ~ 60MHz
Square	1μHz ~ 15MHz	1μHz ~ 15MHz	1μHz ~ 15MHz	1μHz ~ 15MHz
Triangle	1μHz ~ 15MHz	1μHz ~ 15MHz	1μHz ~ 15MHz	1μHz ~ 15MHz
Pulse	100μHz ~ 6MHz	100μHz ~ 6MHz	100μHz ~ 6MHz	100μHz ~ 6MHz
Arbitrary	1μHz ~ 6MHz	1μHz ~ 6MHz	1μHz ~ 6MHz	1μHz ~ 6MHz
Noise (-3dB)	7MHz Bandwidth			
Frequency Resolution	1μHz			
Frequency Accuracy	±5ppm			
Frequency Stability	±1ppm/3hour			
Frequency Characteristics				
Waveform Types	Sine, square, triangle, pulse, noise and arbitrary waves (including DC). There are 32 kinds of arbitrary waves and 50 kinds of user-defined waves.			
Waveform Length	8192 points			
Waveform Sampling Rate	200 MSa/s			
Waveform Vertical Resolution	13 bits			
Sine Wave Characteristics				
Sine Wave	Harmonic Distortion	⩾45dBc(<1MHz); ⩾40dBc(1MHz~20MHz)		
	Total Harmonic Distortion	<0.8%(20Hz ~ 20kHz, 0dBm)		
Square Wave Signal Characteristics				
Square Wave	Rise/Fall	<20ns		
	Overshoot	<5%		
	Duty Cycle	freq<100kHz: 1%~99%; 100kHz⩽freq<5MHz: 20% ~ 80%; 5MHz⩽freq: 40% ~ 60%(0.1% resolution)		

Pulse Wave Characteristics		
Pulse Wave	Pulse Width	Min 20ns; 1ns resolution
	Edge Transition Time	Min 20ns;
	Overshoot	<5%
	Jitter	6ns+0.1% Period
Ramp Wave Characteristics		
Ramp Wave	Linearity Degree	⩾98%(0.01Hz~10kHz)
	Symmetry	0.0 ~ 100.0%(resolution 0.1%)
Output Characteristics		
Amplitude		
Amplitude Range	freq < 10MHz	10MHz⩽freq < 30MHz / 30MHz⩽freq
	2mVpp ~ 20Vpp	2mVpp ~10Vpp / 2mVpp ~5Vpp
Amplitude Resolution	1mV	
Amplitude Stability	±1% set value±1mVpp（1kHz Sine，0 offset，>10mVpp）	
Amplitude Flatness (relative to 1K Sine, 1 Vpp)	±0.4dB <10MHz ； ±1.0dB ⩾10MHz。	
Output Impedance	50Ω±10%（Typical）	
Protection	All the signal output terminal can be shorted within 60s	
DC Offset		
	Output Amplitude>0.1V	2mV<Output Amplitude⩽0.1V
Offset Adjusting Range	±10Vpk，ac + dc	±0.250Vpk，ac + dc
Offset Resolution	1mV	
Phase characteristics		
Phase Adjusting Range	0~359.9°	
Phase Resolution	0.1°	
External Measurement Function		
Frequency Meter	Frequency measurement range	1Hz ~ 100MHz
	Measurement accuracy	Gate time continuously adjusted between0.01s~10s
Counter Function	Counting region	0 ~ 4294967295
	Control mode	Manual operation
Input Signal Voltage Range	2Vpp~20Vpp	
Coupled Mode	AC or DC	
Pulse Width Measurement	1ns (resolution), 20s (MAX measuring time)	
Period Measurement	1ns (resolution), 20s (MAX measuring time)	
SYNC Output		
Output Channel	CH1 or CH2, default CH1	
Level	TTL	
Impedance	50Ω	
Rise/Fall Time	< 25ns	
Maximum Frequency	25MHz	
Size (W*H*D)	265×105×305	
Weight (kg)	2.6	

Digital Multimeter

MDM-5500

- 55,000 counts，DC voltage accuracy up to 0.05%
- Up to 65 readings per second
- True RMS AC voltage / current measurement
- Data record function, you can record the measured data into internal memory, and then read and process the recorded data with your computer

Standard RS232☑

- Dual line display supported
- SCPI support
- Using our powerful and easy to use interface, you can access, store, process and manage your data, by simply displaying your results in form of a table.
- 3.7 inch high-resolution LCD, providing a clear display

MODEL	Measurement Range	Resolution	Accuracy ±(% of reading + % of range)
DC Voltage	50.000mV	0.001mV	0.1%+10
	500.00mV	0.01mV	0.05%+5
	5.0000V	0.0001V	0.05%+5
	50.000V	0.001V	0.05%+5
	500.00V	0.01V	0.1%+5
	1000.0V	0.1V	0.1%+10
AC Voltage	500mv-750v	20Hz~45Hz	1% + 30
		45Hz~65Hz	0.5% + 30
		65Hz~1KHz	0.7% + 30
DC Current	500uA	0.01uA	0.15%+20
	5000uA	0.1uA	0.15%+10
	50mA	0.001mA	0.15%+20
	500mA	0.01mA	0.15%+10
	5A	0.0001A	0.5%+10
	10A	0.001A	0.5%+10
AC Current	500uA-500mA	/	0.5%+20
	5A-10A		1.5%+20
Resistance	500Ω	0.01Ω	0.15%+10
	5KΩ	0.0001KΩ	0.15%+5
	50KΩ	0.001KΩ	0.15%+5
	500KΩ	0.01KΩ	0.15%+5
	5MΩ	0.0001MΩ	0.3%+5
	50MΩ	0.001MΩ	1%+10
Frequency	10.000Hz~60MHz	/	±(0.2%+10)
Capacitance	50nF-500uF	/	2.5%+5
	5mF-50mF		5%+10
Diode	3.0000 V	0.0001V	/
Continuity	1000 Ω	0.1Ω	Adjustable threshold
Temperature	K type，PT100		
Max Display	55,000 counts		
Logging Duration	15ms-9999.999s		
Logging Length	1,000 points		
Display Screen	3.7- inch TFT LCD with resolution 480*320		
Dimensions (W×H×D)	235 x 88x 64 (mm)		
Device Weight	Approximately 0.45kg		

Digital Multimeter

MDM-8145A/8146A/8155A

- Double - parameter display can display two parameters of one input signal
- Has duty ratio measurement function /capacitance measurement
- With manual/automatic range setting function
- Supports SCPI protocol and provides programming documentation
- Periodic and frequency measurements frequency can reach up to 20MHz
- With keyboard lock function, and provide system settings, customized setting of language, buzzer, screen brightness
- Maximum 10A current and 1000V DC voltage measurement capability
- Use 3.5-inch screen with clear reading
- Speed of measurement: FAST (6 times/second), MID (4 times/second), SLOW (1 time/second)
- Square wave output function (MDM-8145A and MDM-8146A are optional)
- Communication interface: USB Device, RS232(MDM-8145A and MDM-8146A are optional)
- AC DC voltage,AC DC current, two wire/ four-wire resistance measurement
- Provide automatic trigger, external trigger and single trigger
- It has simple external calibration function

Technical indicators

DC voltage measurement

Range	Measuring range	Resolution	Error limit		
			MDM-8145A (4 ½)	MDM-8146A (4 ½)	MDM-8155A (5½)
200mV	1uV~220.000mV	1uV	± (0.05%+4)	±(0.03% +10)	± (0.015%+4)
2V	10uV~2.20000V	10uV	± (0.05%+3)	±(0.03% +6)	± (0.015%+3)
20V	100uV~22.0000V	100uV	± (0.05%+4)	±(0.03% +6)	± (0.015%+4)
200V	1mV~220.000V	1mV	± (0.05%+3)	±(0.03% +6)	± (0.015%+3)
1000V	10mV~1000V	10mV	± (0.1%+3)	±(0.03% +6)	± (0.015%+3)

AC voltage measurement (true value of validity)

Range	Resolution	Error limit (MDM-8155A)			
		40Hz~5kHz	5~30kHz	30~50kHz	50~100kHz
200mV	1uV	±(0.2%+100)	±(0.2%+100)	±(0.5%+200)	±(0.8%+200)
2V	10uV	±(0.2%+100)	±(0.2%+100)	±(0.5%+200)	±(0.8%+200)
20V	100uV	±(0.2%+100)	±(0.8%+300)	±(2.5%+500)	±(5%+500)
200V	1mV	±(0.2%+200)	±(0.8%+450)		
750V	10mV	40Hz~1kHz	1~2kHz		
		±(0.3%+200)	±(0.4%+200)		

Range	Resolution	Error limit (MDM-8145A frequency range: 50Hz~1kHz)
200mV	10uV	± (0.8%+80)
2V	100uV	± (0.8%+80)
20V	1000uV	± (0.8%+80)
200V	10mV	± (0.8%+80)
750V	100mV	± (1%+50)

Range	Resolution	Error limit (MDM-8146A)		
		40Hz—1KHz	1KHz—10KHz	10KHz—20KHz
200mV	10uV	±(0.5% +40)	±(1% +40)	±(2.5% +40)
2V	100uV	±(0.5% +40)	±(1% +40)	±(2.5% +40)
20V	1000uV	±(0.5% +40)	±(1% +40)	±(2.5% +40)
200V	10mV	±(0.5% +40)	±(1% +40)	Unspecified
750V	100mV	±(0.5% +40)	Unspecified	Unspecified

Technical indicators

DC current measurement

Range	Measuring range	Resolution	Error limit		
			MDM-8145A (4 ½)	MDM-8146A (4 ½)	MDM-8155A (5½)
200uA	0.001uA~220.000uA	0.001uA	± (0.35%+10)	±(0.15% +15)	± (0.05%+10)
2mA	0.01uA~2.20000mA	0.01uA	± (0.35%+10)	±(0.15% +10)	± (0.05%+10)
20mA	0.1uA~22.0000mA	0.1uA	± (0.35%+10)	±(0.15% +10)	± (0.05%+10)
200mA	1uA~220.000mA	1uA	± (0.35%+10)	±(0.15% +10)	± (0.05%+10)
2A	0.01mA~2.20000A	10uA	± (0.3 5%+10)	± (0.35%+10)	± (0.05%+10)
10A	0.1mA~10A	100uA	± (0.8%+60)	±(0.5% +10)	± (0.2%+60)

AC current measurement (MDM8155A frequency range 40~5kHz, the rest is 40~1kHz)

Range	Measuring range	Resolution	Error limit		
			MDM-8145A (4 ½)	MDM-8146A (4 ½)	MDM-8155A (5½)
200uA	0.001uA~220.000uA	0.001uA	± (0.8%+80)	±(0.75% +20)	± (0.3%+400)
2mA	0.01uA~2.20000mA	0.01uA	± (0.8%+80)	±(0.75% +10)	± (0.3%+400)
20mA	0.1uA~22.0000mA	0.1uA	± (0.8%+80)	±(0.75% +20)	± (0.3%+400)
200mA	1uA~220.000mA	1uA	± (0.8%+80)	±(0.75% +10)	± (0.3%+400)
2A	0.01mA~2.20000A	10uA	± (0.8%+80)	±(0.75% +20)	± (0.3%+400)
10A	0.1mA~10A	100uA	± (1%+50)	±(1.0% +10)	± (1%+20)

Resistance measurement

Range	Measuring range	Resolution	Error limit		
			MDM-8145A	MDM-8146A	MDM-8155A
200Ω	0.001Ω~220.000Ω	0.001Ω	± (0.1%+20)	±(0.08% +10)	± (0.08%+50)
2kΩ	0.01Ω~2.20000kΩ	0.01Ω	± (0.1%+20)	±(0.08% +5)	± (0.02%+6)
20kΩ	0.1Ω~22.0000kΩ	0.1Ω	± (0.1%+6)	±(0.08% +5)	± (0.02%+6)
200kΩ	1Ω~220.000kΩ	1Ω	± (0.1%+6)	±(0.08% +5)	± (0.02%+6)
2MΩ	10Ω~2.20000MΩ	10Ω	± (0.4%+10)	±(0.2% +10)	± (0.04%+8)
20MΩ	100Ω~22.0000MΩ	100Ω	± (0.4%+15)	±(0.35% +10)	± (0.25%+6)

Capacitance measurement

Range	Measuring range	Resolution	Error limit		
			MDM-8145A (4 ½)	MDM-8146A (4 ½)	MDM-8155A (5½)
2nF	0.001nF~2.200nF	0.001nF	± (3.5%+30)	± (2%+5)	± (2%+5)
20nF	0.01nF~22.00nF	0.01nF	± (3.5%+30)	± (2%+5)	± (2%+5)
200nF	0.1nf~220.0Nf	0.1nF	± (3.5%+30)	± (2%+5)	± (2%+5)
2uF	1nF~2.200uF	1nF	± (3.5%+30)	± (2%+5)	± (2%+5)
20uF	0.01uF~22.00uF	0.01uF	± (3.5%+30)	± (3%+5)	± (3%+5)
200uF	0.1uF~220.0uF	0.1uF	± (3.5%+30)	± (3%+5)	± (3%+5)
2mF	1uF~2.200mF	1uF	± (4%+10)	± (3%+5)	± (3%+5)

Frequency measurement

Range	Measuring range	Resolution	Error limit		
			MDM-8145A (4 ½)	MDM-8146A (4 ½)	MDM-8155A (5½)
200Hz	0.001Hz~220.000Hz	0.001Hz	± (0.2%+10)	± (0.2%+10)	± (0.1%+3)
2kHz	0.01Hz~2.20000kHz	0.01Hz	± (0.2%+10)	± (0.2%+10)	± (0.1%+3)
20kHz	0.1Hz~22.0000kHz	0.1Hz	± (0.2%+10)	± (0.2%+10)	± (0.1%+3)
200kHz	1Hz~220.000kHz	1Hz	± (0.2%+10)	± (0.2%+10)	± (0.1%+3)
2MHz	10Hz~2.20000MHz	10Hz	± (0.2%+10)	± (0.2%+10)	± (0.1%+3)
20MHz	100Hz~22.0000MHz	100Hz	± (0.2%+10)	± (0.2%+10)	± (0.1%+3)
Duty cycle	5.0%~95.0% (error is within 10 words)				

Diode measurement

Range	Measuring range	Input protection	Remarks
200Ω	0~2V	250Vp	input current is about 0.75mA

Open and off measurement

Range	Measuring range	Input protection	Remarks
200Ω	0~30Ω	250Vp	The input current is about 0.75mA, when the resistance is lower than 30Ω The input current is about 0.75mA,When the resistance is below 30 Omega, the buzzer is sound

Square wave output

Output	Output frequency	Output amplitude
Square wave	1Hz~100kHz	3V

Net weight	kg	2.6
Gross weight	kg	3.15
Instrument size (W*H*D)	mm	265*105*305
Packing size (W*H*D)	mm	335*210*435

High Preision Multimeter

MDM-8265/8255

Standard USB ☑ RS232/485 ☑ Optional LAN ☐ GPIB ☐

- Support SCPI remote control command, compatible with the mainstream multimeter command set in the market, standard PC control software
- Configuration ports: USB Device,USB Host,RS232/485,LAN(optional),GPIB(optional)

Features

- 30 kS/s high-speed acquisition, conducive to capture transient signals
- Standard bar charts, histograms, trend charts, and statistics
- Dual display measurement function to display both voltage and frequency
- True RMS of AC voltage and true RMS of AC current are measured

Various measuring functions: DC voltage, AC voltage, DC current, AC current, 2-wire resistance, 4-wire resistance, capacitor, diode, connectivity, frequency, period, temperature, current range up to 10A

- 4.3 "64K color TFT LCD screen
- The safety standard is CAT II 300 V

Series	Reading resolution	Max measurement speed	I/O interface	DCV basic accuracy
MDM-8265	6 1/2	30，000个readings/s	USB，RS232/485 LAN，GPIB	75 PPM
MDM-8255	5 1/2	30，000个readings/s	USB，RS232/485 LAN，GPIB	150 PPM

DC voltage	MDM-8265			MDM-8265	
Range	Input impedance	resolution	Accuracy (one year)	resolution	Accuracy (one year)
100 mV	10 MΩor>10 GΩ	0.1uV	0.0050+0.0035	1uV	0.018+0.008
1 V	10 MΩor>10 GΩ	1uV	0.0040+0.0007	10uV	0.015+0.005
10 V	10 MΩ	10uV	0.0035+0.0005	100uV	0.015+0.005
100 V	10 MΩ	100uV	0.0045+0.0006	1mV	0.015+0.005
1000 V	10 MΩ	1mV	0.0045+0.0010	10mV	0.015+0.005
Resistance	**MDM-8265**			**MDM-8265**	
Range	Test current	resolution	Accuracy (one year)(TCAL±5°C)	resolution	Accuracy (one year)(TCAL±5°C)
100 Ω	1 mA	100μΩ	0.010+0.004	1mΩ	0.050+0.008
1 KΩ	1 mA	1mΩ	0.010+0.001	10mΩ	0.050+0.008
10 KΩ	100 μA	10mΩ		100mΩ	0.050+0.005
100 KΩ	10 μA	100mΩ		1Ω	0.050+0.005
1 MΩ	5 μA	1Ω		10Ω	0.060+0.005
10 MΩ	500 nA	10Ω	0.040+0.001	100Ω	0.250+0.005
100 MΩ	500 nA ‖10 MΩ	100Ω	0.800+0.010	1kΩ	2.000+0.005
DC current	**MDM-8265**			**MDM-8265**	
Range	Burden voltage	resolution	Accuracy (one year)(TCAL±5°C)	resolution	Accuracy (one year)(TCAL±5°C)
100 μA	<0.02 V	1nA	0.050+0.025	10nA	0.050+0.015
1 mA	<0.2 V	1nA	0.050+0.006	10nA	0.050+0.007
10 mA	<0.02 V	10nA	0.050+0.020	0.1uA	0.050+0.015
100 mA	<0.2 V	0.1uA	0.050+0.005	1uA	0.050+0.007
1 A	<0.1 V	1uA	0.100+0.010	10uA	0.100+0.015
3 A	<0.3 V	1uA	0.200+0.020	10uA	0.250+0.007
10A	<0.02 V	10uA	0.120+0.010	0.1mA	0.250+0.007
Conduction test	**MDM-8265**			**MDM-8265**	
			Accuracy (one year)(TCAL±5°C)	Accuracy (one year)(TCAL±5°C)	
1KΩ	1 mA	—	0.010+0.030	0.100+0.100	
Diode	**MDM-8265**			**MDM-8265**	
5V	1 mA	—	0.010+0.030	0.05+0.03	
Ac voltage	**MDM-8265**			**MDM-8265**	
frequency	Gear position	Accuracy (one year)(TCAL±5°C)		frequency	Gear position	Accuracy (one year)(TCAL±5°C)
5 Hz - 10 Hz	100mV,1V,10V, 100V,750V	0.35+0.03		20 Hz-45 Hz	100mV,1V,10V,100V,750V	1.00+0.10
10 Hz-20 KHz		0.06+0.03		45 Hz-10 KHz		0.20+0.10
20 KHz-50 KHz		0.12+0.05		10 KHz-30 KHz		1.50+0.30
50 KHz-100 KHz		0.60+0.08		30 KHz-100 KHz		3.00+0.30
100 KHz-300 KHz		4.00+0.50				
Ac current	**MDM-8265**			**MDM-8265**		
frequency	Gear position	Accuracy		frequency	Gear position	Accuracy
3 Hz-5 KHz	100uA-10A	0.10+0.04		20 Hz-45 Hz	100uA-10A	1.50+0.10
5 KHz-10 KHz		0.10+0.04		45 Hz-1 KHz		0.50+0.10
				1 KHz-10 KHz		2.00+0.20
Frequency	**MDM-8265**			**MDM-8265**		
Gear position	resolution	Accuracy		Gear position	resolution	Accuracy
3 Hz-10 Hz	0.001 Hz, 0.00001 KHz, 0.0001 KHz, 0.001 KHz,	0.1		20 Hz - 300 KHz	0.001 Hz, 0.00001 KHz, 0.0001 KHz, 0.001 KHz, 0.00001 MHz	0.02+3
10 Hz-100 Hz		0.03				
100 Hz-1 KHz		0.01				
1 KHz-300 KHz		0.01				
Square wave		0.01				
Capacitance	**MDM-8265**			**MDM-8265**		
	Accuracy				Accuracy	
1.0000 nF	0.50+0.50			1.0000 nF	1+0.5	
10.000 nF	0.40+0.10			10.000 nF	1+0.5	
100.00 nF				100.00 nF	1+0.5	
1.0000 μF						
10.000 μF						
100.00 μF						
Temperature	**MDM-8265**			**MDM-8265**		
PT100	Probe accuracy+0.05℃			PT100(DIN/IE	Probe accuracy+0.05℃	
5 KΩ thermistor	Probe accuracy+0.1℃			5 KΩthermistor	Probe accuracy+0.1℃	

Temperature recorder

MTR-2000 Series

standard USB，RS485 ☑

- Instrument can be used as U disk
- 32 channels can be displayed simultaneously
- A one-second interval can also record 97 days
- One click fast recording
- List, curve, histogram display
- Remote Firmware Upgrade
- Strong anti-jamming
- Record files are exported or deleted at any time
- Customize channel names and export EXCEL files
- Multistage alarm function, double relay output
- Using 8 different thermocouples at the same time

Features

- Hd 5 "IPS industrial LCD touch screen,high resolution 854×480， more clear display.
- Using 32-bit high-speed MCU data processing + 24-bit high-speed AD measurement chip, fast response speed, high precision， stable and reliable.
- Multi-interface display,file list,real-time list display, histogram display,real-timelrecord/analysis curve display, alarm list,system Settings， etc.
- Operation tips,humanized design,easy to understandand simple operation.
- Supports multiple sensor inputs :K J E T N S R B.
- Basic measurement accuracy :0.2°C+2 words (without sensor)， cold end compensation accuracy: 0.5℃.
- Independent error correction per channel Y=KX+B.
- Each channel can be set to use different thermocouple types.
- You can customize the name of each channel and export the name to EXCEL.
- The voltage difference between channels can be as high as AC/DC 350v(higher voltage value can be customized)， super anti-interference ability.
- Support a maximum of 64 recording files, each file 130,000 groups of data,1 to 9999 seconds interval arbitrary setting, the maximum recording time =97 days x interval.
- Record files can be selected to delete and export,USB flash drive or PC directly export EXCEL files.
- USB and RS485 communication ports are standard.
- Modular design， each module 8 channels, support a maximum of 64 channels， capacity expansion automatic identification.
- Multi-level alarm indicator，HH,H,L,LL alarm setting and alarm indicator， and has the function of historical alarm record.

Model	MTR-2000
Mode of display	5 "TFT true color LCD industrial touch screen 854*480 pixels
Form of display	Real-time list, curve (historical curve), bar chart, current alarm (historical alarm), file record list.
Query of records	The machine view record curve, historical alarm record, computer software analysis query.
Number of channels	Each module supports 8 channels and a maximum of 64 channels
Thermoelectric couple	K J E T N S R B
Basic accuracy	0.2℃+2 words (without thermocouple error)
Range of measurement	-200 ~ 1820℃(based on the thermocouple indexing range)
Cold end compensation	Accuracy :0.5℃
Resolution	0.1℃
correction	Independent error correction per channel Y=kx+b(x= measured value)
Number of files	64 (loop records)
File capacity	One file can record 130,000 groups (without distinguishing the number of channels).
Usb flash drive interface	Export record file, second change U disk function (instrument is U disk), directly view the files and software.
Recording Duration	The one-second recording interval can be consecutively recorded for 97 days.
Rate of sampling	Each channel fast :0.1S, slow: 1S
Isolation between channels	Ac/DC up to 350V, high voltage live measurement, super anti-interference ability
Control output	Two sets of independent relay outputs are (H/L) and (HH/LL) relaysvv
Alarm sound	All the buzzer sounds (any alarm sounds, can be muted)
Interval of recording	1 to 9999 seconds for any setting
Communication interface	USB and RS485 ports are standard
Power supply power	AC85-265V±10%, frequency 50Hz/60Hz <10W
Thermoelectric couple	Each channel is equipped with a 2 m K thermocouple
Size	Width 220X deep 293X height (including feet)106mm, the size is about the size of A4 paper
Weight	About 3Kg(configuration varies)
Environmental Conditions	5 ~ 40℃,20% ~ 80%RH(no condensation)

Infrared Thermometer

MTM-300 Series

Choose high-quality electronic components, adopt aluminum alloy sensor, accurately receive temperature signal measurement , pay attention to the details of customers, to provide customers with more professional measurement experience

- High and low temperature sound and light alarming, high and low temperature alarm value can be set according to the use requirement
- HD VA color backlight display, clear reading
- Laser 9 point positioning measurement leads to more accurate measuring
- The emissivity is adjustable, higher precision measurement for different material surface
- Alarming sound can be open or close
- It can be collected with K type probe for temperature measurement (only:MTM-304)
- Environment temperature and humidity display (only:MTM-304)
- Temperature unit conversion
- 0.5 second fast response, maximum value, auto turn-off, over-range tip etc

Model	MTM-301	MTM-302	MTM-304
Temperature measurement range	-50°C~480°C	-50°C~680°C	-50°C~880°C
Measurement accuracy	(1.5%+1°C) (1.5%+5°F)		
Repeat accuracy	±0.5% or ±1°C (2°F)		
Display resolution	0.1°C (0.1°F)		
Resolution	0.1~1.00 adjustable		
Measure the distance ratio	12:1		
°C/°F temperature unit conversion	√		
Backlight display/ auto shutdown	√		
Overrange display	"LO" or "HI"		
Screen display mode	VA color screen		
K type probe measure temperature	×	×	×
Ambient temperature and humidity display	×	×	×
Power supply	1.5V*2AAA (seventh battery)		
Operation temperature/humidity	0°C~50°C ; 10~95%RH no condensation		
Net weight (kg)	0.15		
Gross weight (kg)	0.25		
Instrument size (W*H*D)	150*40*95		
Packing size (W*H*D)	190*52*123		

Digital Multimeter

MDM-200 Series

Multi-function

A good helper of engineers

- True RMS measurement
- Intelligent burn resistant design
- NCV non-contact voltage interaction
- Double quakeproof protection design
- Maximum display 9999 digits

Model	MDM-201	MDM-202	MDM-203	MDM-204
DC Voltage	0.1mV~600V ±(0.5%+2)	0.1mV~600V ±(0.8%+5)	0.01uV~600V ±(0.5%+2)	0.6V~600V ±(0.5%+3)
AC Voltage	0.1V~600V ±(1.2%+10)	1mV~600V ±(1.0%+3)	0.01uV~600V ±(1.0%+3)	0.6V~600V ±(1.0%+3
DC Current	1uA~10A ±(1.0%+2)	0.01uA~10A ±(1.0%+2)	0.01uA~10A ±(1.0%+2)	1uA~600mA ±(1.2%+10)
AC Current	/	0.01uA~10A ±(1.0%+5)	0.01uA~10A ±(1.0%+5)	1uA~600mA ±(1.2%+10)
Resistance	0.1Ω~20MΩ ±(0.8%+3)	0.1Ω~60MΩ ±(0.8%+2)	0.1Ω~100MΩ ±(0.8%+2)	0.1Ω~60MΩ ±(0.8%+10)
Capacitance	/	1nF~60000μF ±(3.0%+5)	1nF~100000μF ±(3.0%+10)	6nF~60000μF ±(3.5%+20)
Frequency	/	10~10MHz ±(0.1%+5)	10~10MHz ±(0.1%+3)	40~10MHz ±(0.1%+3)
Diode	√ 2.2V	√ 3.2V	√ 3.2V	√ 3V
NVC Response	√	√	√	√
VFCMM			√	
Intelligent prevent burning	√	√	√	
True RMS	√	√	√	
Backlight display	√	√	√	
On and off alarming	√	√	√	
Value lock	√	√	√	
Auto-power off	√	√	√	√
Maximum display	1999	5999	9999	5999
Input resistance		10MΩ	10MΩ	10MΩ
Sample rate	About 3 times/second			
Power	1.5V*2pc (AAA battery)			
Net weight (kg)	0.2			
Gross weight (kg)	0.3			
Instrument size (W*H*D)	105*45*70			
Packing size (W*H*D)	150*55*75			

Oscilloscope Probe

Essentially, an oscilloscope probe establishes a physical and electrical connection between a test point or source and an oscilloscope; in fact, an oscilloscope probe is a type of device or network that connects a signal source to an oscilloscope input, There are three key issues with the degree of connectivity: physical connectivity, impact on circuit operation, and signal transmission.

◆ General Oscilloscope Probe

IP-100/200/1110/2210/2220/2230

Model	IP-100	IP-200	IP-1110	IP-1120	IP-2210	IP-2220	IP-2230
Bandwidth	DC-100MHz	DC-200MHz	DC-100MHz	DC-200MHz	DC-100MHz	DC-200MHz	DC-.300MHz
Attenuation	X1 / X10						
Input resistance	About 1MΩ for X1 and about 10MΩ for X10						
Input capacitance	About 105pF for X1 and about 15pF for X10		About 95pF for X1 and about 13pF for X10		About 95pF for X1 and about 12pF for X10		
Maximum output Voltage	X1 150V DC +Peak AC X10 300Vrms						
Compensation range	10-20pF		10-25pF		10-30pF		
Test line length	About 1.2m						
Operating environment	0-50℃ 0-80%RH						

◆ P6139 Series Oscilloscope Probe

P-6139/P6139A/P6139B

- Miniature probe tip: easier to connect into tested circuit
- Frequency width DC-500MHz
- P6139B With automatic identification function
- Parts combination : more flexible usage , adapt to more test occasions

Model	P-6139	P-6139A	P-6139B
Bandwidth	500MHz	500MHz	500MHz
Attenuation	10X / 1X	10X	10X
Rise Time	<700Ps	<700Ps	<700Ps
Maxinput Voltage	300VCATII	300VCATII	300VCATII
Input Resistance	10MΩ/1MΩ	10MΩ	10MΩ
Input Capacitance	11pF/95pF	9pF	9pF
Auto-ID	No	No	Yes
Cable Length(meter)	1.4m		

◆ Oscilloscope High Voltage Probe

IP-2100/P3100/IP3100A/P5100A

- Frequency width DC-250MHz
- Automatically identification function
- Voltage withstand as high as 3000VpK
- High precision accuaracy < 1%

Model	IP-2100	P-3100	IP-3100A	P-5100A
Bandwidth	100MHz	100MHz	250MHz	250MHz
Attenuation	100X	100X	100X	100X
Rise Time	< 3.50ns	< 3.50ns	< 1.4ns	< 1.4ns
Maxinput Voltage	2000Vpk	2000Vpk	2000Vpk	3000Vpk
Input Resistance	100MΩ	100MΩ	100MΩ	100MΩ
Input Capacitance	12pF	10pF	10pF	3pF
Cable Length(meter)	1.2m	1.2m	1.2m	2m
Operating environment	0-50℃ 0-80%RH			

◆ Differential Probe

P-5205A/5210A

- Separate design
- Adopt large scale integrated circuit , SMT process , with better reliability and stability
- 4MΩ high resistance
- Super high speed test probe , rising time can reach to 3.5ns

Model	P-5205A	P-5210A
Bandwidth	50MHz	100MHz
Attenuation	500X / 50X	500X / 50X
Rise Time	< 7ns	< 3.50ns
Differential voltage	+/-1300V(500X)	+/-1300V(500X)
Common mode voltage	1000VRms	1000VRms
Input resistance	8MΩ/4MΩ	8MΩ/4MΩ
Input capacitance	7pF	7pF
Common mode dump ratio	DC:> -80 dB 100 kHz : > -60dB 3.2 MHz:-40dB 100 MHz : -30dB	DC:> -80 dB 100 kHz : > -60dB 3.2 MHz:-40dB 100 MHz : -30dB

Optional Accessories

SMD Four-terminal test cable

SMD Four-terminal test cable

SMD Test pliers

SMD Test box

Four-terminal test box

Four-terminal test box

Ohmmeter Test pen

Gold plated short circuit

Gold plated short circuit

Temperature module

Power supply test lead

RS-232 cable

Certification