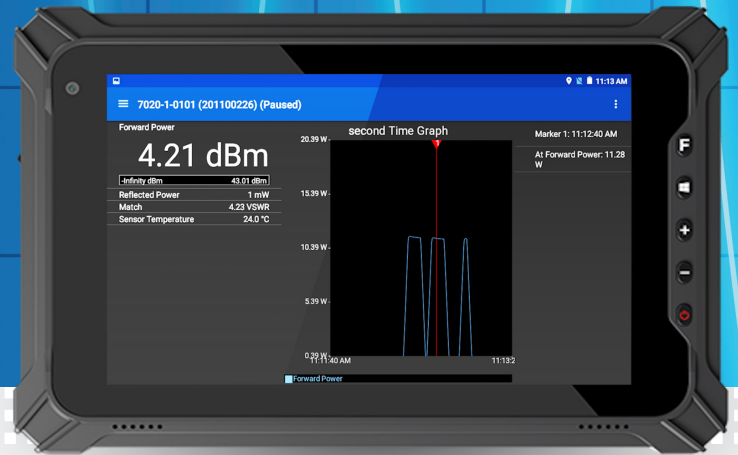


RF POWER EDGE POWER METER DISPLAY

5000-XR



RF Power Measurements at Your Fingertips

The Bird 5000-XR RF Power Meter Display provides a portable, intuitive interface for viewing and managing measurements from compatible Bird USB RF power sensors. Its high-resolution color touchscreen provides clear measurement visibility in the field, on the bench, or in an R&D lab environment.

When connected to a compatible Bird RF power sensor, the 5000-XR automatically detects the sensor and displays the measurements supported by that sensor, including True Average Power, VSWR, Return Loss, and more. Measurement capability and frequency range are determined by the connected Bird sensor.

The 5000-XR saves session information for reviewing measurement results. Its Android-based platform provides options for sharing and transferring data through Bluetooth, USB, or email.

For applications requiring additional security, the 5000-XR-WD is available with wireless and camera capabilities disabled.

Portable RF power
measurement with automatic
sensor detection.

PRODUCT FEATURES

- Rugged, 8-inch color touch screen display for field and lab use
- Automatic detection of compatible Bird USB field sensors
- Field-swappable battery for extended use
- Built-in camera for documenting equipment serial and model numbers for warranty and installation validation
- Data logging with numerical & graphical display
- Data transfer via USB, Bluetooth, or WiFi
- 5000-XR-WD option with wireless and camera capabilities disabled for secure-site applications

SUPPORTED MEASUREMENTS

Based on the connected Bird power sensor

- True Average Power (Forward and Reflected)
- VSWR, Return Loss, rho, Match Efficiency
- Peak Power, Peak-to-Average Ratio, Crest Factor, PEP
- Burst and Burst Average Power
- CDF, CCDF, Confidence %
- Pulse Parameters
- Sensor Temperature

5000-XR

Specifications

MODELS

5000-XR	Power Meter Display
5000-XR-WD	Power Meter Display, Wireless & Camera disabled

MEASUREMENT

Display Measurements	True Average Power (Forward and Reflected) VSWR, Return Loss, rho, Match Efficiency Peak Power, Peak to Average Ratio, PEP, Crest Factor, Burst and Burst Average Power, CDF, CCDF, Confidence %, IEEE 194 Pulse Parameters, Sensor Temperature
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External I/O Ports

USB Type-C	Charging, Commucation with sensors
USB 2.0	Commucation with sensors
Power Import Port	USB Type-C (Supports PE + 2.0 Fast Charging)

COMPATIBLE SENSORS

5012D	Wideband Power Sensor, 350 MHz to 4 GHz, 150 mW to 150 W, 400 W Peak
5014	Directional Power Sensor, 2 MHz to 2.7 GHz, 125 mW to 1 kW, Full scale
5016D	Wideband Power Sensor, 350 MHz to 4.0 GHz, 25 mW to 25 W, 60 W Peak
5017D	Wideband Power Sensor, 25 MHz to 1.0 GHz, 500 mW to 500 W, 1300 W Peak
5017D-AV	Wideband Power Sensor, 100 MHz to 1.3 MHz, 500 mW to 500 W, 1300 W Peak
5018D	Wideband Power Sensor, 150 MHz to 4.0 GHz, 100 mW to 25 W, 60 W Peak
5019D	Wideband Power Sensor, 25 MHz to 1.0 GHz, 100 mW to 100 W, 250 W Peak
7020-1-010101	Wideband Power Sensor, 350 MHz to 4.0 GHz, 150 mW to 150 W
7020-1-020101	Wideband Power Sensor, 350 MHz to 4.2 GHz, 150 mW to 150 W
7020-1-030301	Wideband Power Sensor, 25 MHz to 1.0 GHz, 500 mW to 500 W
7022	Statistical RF Power Sensor, 350 MHz to 6 GHz, 0.25 W to 500 W

SYSTEM

Display	Full-Color 8 in 1920 x 1200-pixel display w/backlight
Operating System	Android 14
Languages	English
Storage	128 GB
Data Transfer	USB drive, PC, WiFi, or Bluetooth
Battery	Removable, Rechargeable, Internal 3.7V/8500mAh Battery
Battery Life	8 hours typical
Recommended Calibration Interval	No calibration required (sensor calibration recommended)
Standard Power Adapter	US AC/DC USB-C Power Supply (18W Maximum)
Upgradeability	Firmware field-upgradable via USB port
Additional Functions	Data logging, numerical & graphing display
Sensor Detection	Automatic USB Sensors

ENVIRONMENTAL

Operating Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Storage Temperature	Tablet: -30 °C to 70 °C (-22 °F to 158 °F) Battery: -20 °C to 35 °C (-4 °F to 95 °F)
Altitude	Up to 15,000 ft (4,572 m)

PHYSICAL

Size	8.8 in x 6.0 in x 0.8 in (223 mm x 151 mm x 20 mm)
Weight	2.0 lb (0.91 kg)

STANDARD ACCESSORIES

5A2653-3R5NL4	Cable, USB SeaLatch Cable, 72 in
5A2653-6L	Cable, USB 72 in
5B5000-2	Premium Carrying Case
5B5003-1	Charger, International, 5 V, 2.5 A
SK-TP-112	Stylus
920-5000-XR	Instruction Manual