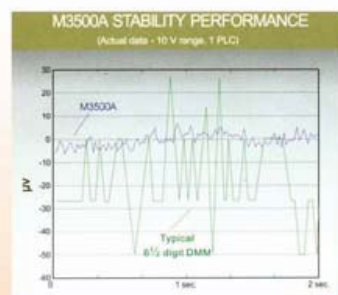




Stability, Speed and Accuracy

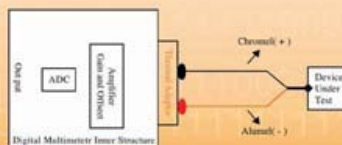
The 6 $\frac{1}{2}$ digit M3500A DMM is designed with 7 $\frac{1}{2}$ digit techniques to provide user a stable, faster and accurate measurement. The following figure is the stability performance comparison between the typical 6 $\frac{1}{2}$ digit DMM and the M3500A.



Blue: M3500A
Green: Typical 6 $\frac{1}{2}$ digit DMM

High Speed: 2000 Rds/Sec

The M3500A is engineered with expertise to reach such a high performance: Both of the sampling rate and the data transfer rate can achieve 2000 readings per second.



K-Type Thermocouple Temperature Measurement

19 Full-Featured Functions

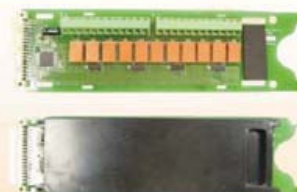
There are 11 measurements and 8 math functions: DCI, DCV, ACI, ACV, 2W Ω , 4W Ω , Frequency, Period, Diode, Continuity, Temperature; Limits, Ratio, MX +B, %, dBm, dB, Min/Max, Null. In addition, Trigger and Memory functions are also involved. All functions above facilitate your measurement better.

Temperature measurements

Our thermal measurement functions support two types of measurements: Thermocouples and RTDs. For the thermocouples, we support up to seven types of sensors: E, J, K, N, R, S and T, using a NIST Monograph 175 reference table. Moreover, for the RTDs temperature conversions, we adopt three types of standard: ITS-90, IEC751 and Callendar-Van Dusen standard in our thermal measurement functions. All these are made for user's convenience.

Multi-Point Scan

The M3500A supports up to 10 channels (2-pole) multi-point scan. For using this option, user needs to have an additional multi-point scanner card (Model M3500-opt01). The installation of the multi-point scanner card is very easy - just turn off the power and plug in the multi-point scanner card, and it is done!



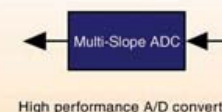
Built-In USB Interface

The M3500A is equipped with a standard USB interface. This easy-to-use and hot plug-in USB interface has a high data-transfer rate over 2000 readings per second. It allows your DMM to reach a truly high speed, both internal sampling rate and I/O data rate, thus increase the measurement speed of your DMM.



Noise Immunity

This model has an excellent performance on noise immunity. The core of this DMM is a powerful multi-slope analog to digital converter (A/D converter). This special A/D converter (P.S. patent is pending) helps the DMM to reach a high-speed sampling rate, filters out most noise, and still keeps a good measurement linearity. In addition, to reduce the environmental background noise, we have added four sets of earth ground on the meter's front panel. And the copper conductors inside the meter also contribute to reducing thermal EMFs.



High performance A/D converter

Dual Display w/3-Color Annunciators

This model comes with a unique 5x7 dot matrix, VFD dual displays with three-color annunciators. User can easily distinguish each symbols from their colors.

