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PRODUCT DATASHEET

# MultiPro® Series Professional MultiMeters

***High Performance Autoranging Digital MultiMeters with RS-232 PC Interface***

*True RMS is ideal for voltage and current measurements of distorted waveforms in office and industrial locations*

## Features:

- High basic DC Voltage accuracy of 0.08%
- Wide AC Voltage bandwidth of 40Hz to 20kHz
- Rugged design with protective holster and water resistant housing
- Optically isolated RS-232 PC interface with Windows® 95/98/NT/2000/ME/XP compatible software (optional) allows user to collect, display, plot, save or export data or graphs
- Backlit 5000 count LCD display for high resolution (0.01mV, 0.1µA, 0.01Ω, 0.01nF, 0.001Hz)
- Smart auto power off is disabled if signal is present at test leads
- Hold and low resistance auto-lead zero
- Measurement functions include AC/DC Voltage and Current, Resistance, Frequency, Capacitance, Diode and Continuity
- Complete with built-in stand, CAT IV test leads, protective holster, 9V battery and general purpose temperature probe for MP530A

## Additional Features Model MP530:

- True RMS measurements for AC Voltage and Current
- °F/°C Temperature function
- Analog bargraph Zoom provides 5x resolution to detect small signals (updates 60/sec)

## Applications:

- Wide bandwidth for audio frequency and digital electronic production test and repair
- Wide AC Voltage bandwidth of 40Hz to 20kHz




MP510A

MP530A



All models include Double injection molded CAT IV - 600V Test Leads for safety, better grip and added durability.

| Specifications | Range | Max. Resolution | Basic Accuracy (%rdg+digits) |
|---|---|---|---|
| DC/AC Voltage: | 50mV, 500mV, 5V, | 0.01mV | ±(0.08%+2d) DC |
| | 50V, 500V, 1000V | | ±(0.8%+3d) AC |
| DC/AC Current: | 500µA, 5000µA, 50mA, | 0.1µA | ±(0.2%+4d) DC |
| | 500mA, 5A, 10A | | ±(0.8%+4d) AC |
| Resistance (Ω) | 50, 500, 5k, 50k, | 0.01Ω | ±(0.1%+2d) |
| | 500k, 5M, 50MΩ | | |
| Capacitance | 50nF ,500nF, 5µF, | 0.01nF | ±(0.8%+3d) |
| | 50µF, 500µF, 9999µF | | |
| Frequency | 5Hz to 125kHz | 0.001Hz | ±(0.01%+2d) |
| Temperature (MP530A only) | -58 to 1832°F (-50 to 1000°C ) | 1°F/°C | ±(0.3%+3d) |
| Dimensions/ Wt | 7.32 x 3.42 x 1.39" (186 x 87x 35.5mm) / 0.75lb (340g) | | |

## Ordering Information:

**MP510A** .....MultiPro® Professional MultiMeter
**MP510A-NIST** ..MP510A w/ Calibration Traceable to NIST
**MP530A** .....MultiPro® True RMS Professional MultiMeter & Temp
**MP530A-NIST** ..MP530A w/ Calibration Traceable to NIST
**SW810A** .....MultiPro® Software CD and RS-232 Cable
**USB100** .....RS-232 to USB Adaptor
**TP873** .....Spare bead wire Temperature Probe
**TL805** .....Spare set of CAT IV-600V Test Leads
**TL807** .....Set of Alligator Clips (2pk) for TL805
**CA899** .....Vinyl Pouch Carrying Case

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EN 61010-1 CAT IV 600V

CE

3 YEARS WARRANTY



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*Specifications subject to change without notice.*

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