

Heavy Duty Industrial MultiMeters

Waterproof (IP67) rugged design for heavy duty use

With CAT IV-600V safety rating for industrial applications

Common Features:

- 1000V input protection on all functions
- Dual sensitivity frequency functions
- Large backlit LCD
- Diode open circuit voltage of 2.8V DC
- Auto power off with disable feature
- Complete with double molded test leads, magnetic hanging strap, Type K bead wire temperature probe (EX505, EX520 and EX530), carrying case, and one 9V battery

Models: EX503, EX505 (True RMS)

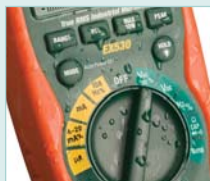
- 4,000 count
- 0.5% accuracy
- Data Hold and Relative
- 10A max current

Models: EX510, EX520 (True RMS)

- 6000 count—high resolution
- 0.09% accuracy
- Min/Max/Relative/Data Hold
- 20A max current

Model EX530 (True RMS)

- 40,000 count—highest resolution
- 0.06% accuracy
- Min/Max/Relative/Data Hold
- 20A max current
- Peak Hold (AC only)



Double molded for rugged, waterproof (IP67) protection



Drop-proof to 6 feet (2.9m)

EX500 SERIES



Specifications	EX503	EX505	EX510	EX520	EX530
Display Counts	4,000 count	4,000 count	6,000 count	6,000 count	✓ 40,000 count
Averaging/True RMS	Averaging	✓ True RMS	Averaging	✓ True RMS	✓ True RMS
Basic Accuracy	0.5%	0.5%	0.09%	0.09%	✓ 0.06%
DC/AC Voltage	0.1mV to 1000VDC 0.1mV to 1000VAC	0.1mV to 1000VDC 0.1mV to 1000VAC	0.1mV to 1000VDC 1mV to 1000VAC	0.1mV to 1000VDC 1mV to 1000VAC	0.01mV to 1000VDC 0.01mV to 1000VAC
DC/AC Current	0.1µA to 10A	0.1µA to 10A	0.1µA to 20A	0.1µA to 20A	0.01µA to 20A
Resistance	0.1Ω to 40MΩ	0.1Ω to 40MΩ	0.1Ω to 40MΩ	0.1Ω to 40MΩ	0.01Ω to 40MΩ
Capacitance	0.01nF to 100µF	0.01nF to 100µF	—	0.01nF to 1000µF	0.001nF to 40mF
Frequency (electrical)	5Hz to 1kHz	5Hz to 1kHz	10Hz to 400Hz	10Hz to 400Hz	40Hz to 400Hz
Frequency (electronic)	0.001Hz to 10 MHz	0.001Hz to 10 MHz	0.001Hz to 40MHz	0.001Hz to 40MHz	0.001Hz to 100MHz
Temperature	—	✓ -4 to 1382°F (-20 to 750°C)	—	✓ -50 to 1382°F (-45 to 750°C)	✓ -50 to 1382°F (-45 to 750°C)
Duty Cycle	0.1 to 99.9%	0.1 to 99.9%	0.1 to 99.9%	0.1 to 99.9%	0.1 to 99.9%
Diode/Continuity	Yes	Yes	Yes	Yes	Yes
Dimensions	7.25x3.25x2.25"(184x83x57mm)	7.25x3.25x2.25"(184x83x57mm)	7.25x3.25x2.25"(184x83x57mm)	7.25x3.25x2.25"(184x83x57mm)	7.25x3.25x2.25"(184x83x57mm)
Weight	12.3oz (349g)	12.3oz (349g)	12.3oz (349g)	12.3oz (349g)	12.3oz (349g)

Ordering Information

EX503Industrial MultiMeter (4000 count)
 EX503-NISTEX503 MultiMeter w/ Calibration Traceable to NIST.
 EX505True RMS Industrial MultiMeter (4000 count)
 EX505-NISTEX505 MultiMeter w/ Calibration Traceable to NIST.
 EX520True RMS Industrial MultiMeter (6000 count)
 EX520-NISTEX520 MultiMeter w/ Calibration Traceable to NIST.
 EX530True RMS Industrial MultiMeter (40,000 count)
 EX530-NISTEX530 MultiMeter w/ Calibration Traceable to NIST.

Accessories

TL810Electrical Test Lead Kit
 TP200Type K Clamp Probe (212°F/100°C)
 HG500Magnetic Hanging Strap



Mouser Electronics

Authorized Distributor

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