EXTECH INSTRUMENTS
A FLIR COMPANY

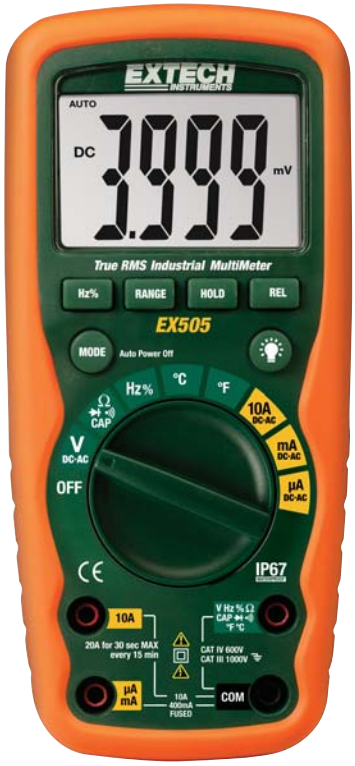
Experience the Extech Advantage

PRODUCT DATASHEET

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 (-22 to 572°F/-30 to 300°C) (EX505, EX520 and EX530), carrying case, and one 9V battery



Double molded for rugged, waterproof (IP67) protection



Drop-proof to 6 feet (2.9m)

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)

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 60MΩ	0.1Ω to 60MΩ	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 99.90%
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

EX503 .....Industrial MultiMeter (4000 count)
EX503-NIST.....EX503 MultiMeter w/ NIST Certificate
EX505 .....True RMS Industrial MultiMeter (4000 count)
EX505-NIST.....EX505 MultiMeter w/ NIST Certificate
EX510 .....Industrial MultiMeter (6000 count)
EX510-NIST.....EX510 MultiMeter w/ NIST Certificate
EX520 .....True RMS Industrial MultiMeter (6000 count)
EX520-NIST.....EX520 MultiMeter w/ NIST Certificate
EX530 .....True RMS Industrial MultiMeter (40,000 count)
EX530-NIST.....EX530 MultiMeter w/ NIST Certificate

Accessories

TL810.....Electrical Test Lead Kit
TP200 .....Type K Clamp Probe (212ºF/100ºC)
HG500 .....Magnetic Hanging Strap

c UL us LISTED CE IP67 Waterproof Dustproof EN 61010-1 CAT IV 600V 3 YEARS WARRANTY

Specifications subject to change without notice.
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