

**EXTECH**  
INSTRUMENTS  
A FLIR COMPANY

## Extech 500 Series Industrial MultiMeters



**Waterproof IP67\***  
for the most extreme  
operating conditions.



**Drop-proof\***  
to 6 feet (1.8m). Meter is  
built tough with double  
molded housing.

# Waterproof Industrial<sup>grade</sup> MultiMeters Built Tough!

- ✓ **CAT IV**
- ✓ **1000V input protection**
- ✓ **Waterproof to IP67**
- ✓ **Double molded housing**



**EX500**  
Series  
MultiMeters



Experience the **Extech**  
Advantage

# Extech 500 Series Industrial MultiMeters

## EX500 Series Heavy Duty Industrial MultiMeters



Waterproof (IP67) rugged double molded design for heavy duty use

### Common Features:

- 1000V input protection on all functions
- Dual sensitivity frequency functions
- Diode open circuit voltage of 2.8V DC
- Auto power off with disable feature
- CAT IV-600V, CAT III-1000V
- Dimensions: 7.25x3.25x2.25" (184x83x57mm); Weight: 12.3oz (349g)
- Complete with double molded test leads, magnetic hanging strap, carrying case, one 9V battery, and Type K bead wire temperature probe (-22 to 572°F/-30 to 300°C) — not included with EX503

### True RMS EX520

- 6000 count large backlit LCD with bargraph
- 0.09% accuracy
- Min/Max, Relative, Data Hold, 20A max current

### True RMS EX530

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

### EX503 and True RMS EX505

- 4,000 count large backlit LCD
- 0.5% accuracy
- Data hold, Relative, and 10A max current



EX500  
SERIES



Functions	EX503	EX505	EX520	EX530
Averaging/True RMS	Averaging	True RMS	True RMS	True RMS
Basic Accuracy	0.5%	0.5%	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	0.01mV to 1000VDC 0.01mV to 1000VAC
DC/AC Current	0.1µA to 10A	0.1µA to 10A	0.1µA to 20A	0.01µA to 20A
Resistance	0.1Ω to 40MΩ	0.1Ω to 40MΩ	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	40Hz to 400Hz
Frequency (electronic)	0.001Hz to 10MHz	0.001Hz to 10MHz	0.001Hz to 40MHz	0.001Hz to 100MHz
Temperature (Type K)	—	-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%
Diode (2.8V)/Continuity	Yes	Yes	Yes	Yes
UL/ETL/CE/FCC	UL/CE	UL/CE	UL/CE	UL/CE
Waterproof	IP67	IP67	IP67	IP67
Drop proof	6ft (1.8m)	6ft (1.8m)	6ft (1.8m)	6ft (1.8m)
Warranty	3 Years	3 Years	3 Years	3 Years



### NIST Certified Meters

Our in-house calibration lab certifies Extech products to NIST standards. Meters with NIST certificates come complete with data. Our laboratory conforms to MIL STD 45662, ISO 17025, Guide 25, and ANSI/NCSL Z540-1-1994.

EX503-NIST...EX503 with NIST Certification  
 EX505-NIST...EX505 with NIST Certification  
 EX520-NIST...EX520 with NIST Certification  
 EX530-NIST...EX530 with NIST Certification

### Accessories

TL810 .....Electrical Test Lead Kit (see p. 42)  
 TP200 .....Type K Clamp Probe (212°F/100°C)  
 HG500 .....Magnetic Hanging Strap