

## 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)

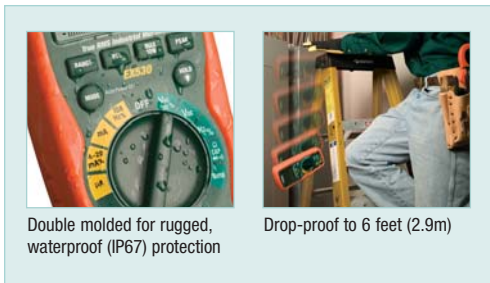
- 4,000 count
- 0.5% accuracy
- Data Hold and Relative
- 10A max current

### 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)

| 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<br>0.1mV to 1000VAC | 0.1mV to 1000VDC<br>0.1mV to 1000VAC | 0.1mV to 1000VDC<br>1mV to 1000VAC | 0.1mV to 1000VDC<br>1mV to 1000VAC | 0.01mV to 1000VDC<br>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<br>(-20 to 750°C)     | —                                  | ✓ -50 to 1382°F<br>(-45 to 750°C)  | ✓ -50 to 1382°F<br>(-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

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

### Accessories

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

