

Extech 400 Series MultiMeters

Rugged design with built-in IR Thermometer

Extech 400 Series MultiMeters are available with or without the built-in InfraRed thermometer, select auto or manual ranging, True RMS or averaging, and choose the meter you want at a price you can afford.

BUILT IN IR
Thermometer 
Patented

Common Features:

- Large backlit LCD display with easy-to-read 1" digits
- Type K thermometer built-in for temperature measurements
- Low current capability: measure down to 0.1µA
- Input fuse protection and mis-connection warnings
- Complete with CAT III test leads, multi-position tilt stand and velcro strap for hanging, protective holster with test lead holder, bead wire temperature probe, and 9V battery

Model EX410/EX411

- True RMS (EX411)
- Manual Ranging

Model EX420/EX430

- True RMS (EX430)
- Autoranging
- Capacitance
- Frequency

Model EX450

- Built-in IR Thermometer
- Autoranging

Model EX470

- Built-in IR Thermometer
- True RMS
- Autoranging
- Capacitance
- Frequency
- Relative function



Built-In IR Thermometer
EX450 and EX470 models offer built-in InfraRed Thermometer



| Specifications | EX410 | EX411 | EX420 | EX430 | EX450 | EX470 |
|-------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|
| Temperature (IR) | — | — | — | — | ✓ -58 to 518°F (-50 to 270°C) | ✓ -58 to 518°F (-50 to 270°C) |
| Averaging/True RMS | Averaging | ✓ True RMS | Averaging | ✓ True RMS | Averaging | ✓ True RMS |
| Basic Accuracy (VDC) | ±0.5% | ±0.3% | ±0.3% | ±0.3% | ±0.5% | ±0.3% |
| AC Voltage | 1mV to 750V | 1mV to 750V | 0.1mV to 750V | 0.1mV to 750V | 1mV to 750V | 0.1mV to 750V |
| DC Voltage | 0.1mV to 1000V | 0.1mV to 1000V | 0.1mV to 1000V | 0.1mV to 1000V | 0.1mV to 1000V | 0.1mV to 1000V |
| AC Current | 0.1mA to 20A | 0.1mA to 20A | 0.1µA to 20A | 0.1µA to 20A | 0.1µA to 20A | 0.1µA to 20A |
| DC Current | 0.1µA to 20A | 0.1µA to 20A | 0.1µA to 20A | 0.1µA to 20A | 0.1µA to 20A | 0.1µA to 20A |
| Resistance | 0.1Ω to 20MΩ | 0.1Ω to 20MΩ | 0.1Ω to 40MΩ | 0.1Ω to 40MΩ | 0.1Ω to 20MΩ | 0.1Ω to 40MΩ |
| Capacitance | — | — | ✓ 0.01nF to 100µF | ✓ 0.01nF to 100µF | — | ✓ 0.01nF to 100µF |
| Frequency | — | — | ✓ 0.001Hz to 10MHz | ✓ 0.001Hz to 10MHz | — | ✓ 0.001Hz to 10MHz |
| Temperature (Type K) | -4 to 1382°F (-20 to 750°C) | -4 to 1382°F (-20 to 750°C) | -4 to 1382°F (-20 to 750°C) | -4 to 1382°F (-20 to 750°C) | — | -4 to 1382°F (-20 to 750°C) |
| Duty Cycle | — | — | ✓ 0.1% to 99.9% | ✓ 0.1% to 99.9% | — | 0.1% to 99.9% |
| Continuity / Diode | Yes | Yes | Yes | Yes | Yes | Yes |
| Dimensions | 7.4x3.2x2"(187x81x50mm) | 7.4x3.2x2"(187x81x50mm) | 7.4x3.2x2"(187x81x50mm) | 7.4x3.2x2"(187x81x50mm) | 7.4x3.2x2"(187x81x50mm) | 7.4x3.2x2"(187x81x50mm) |
| Weight | 0.75lbs (342g) | 0.75lbs (342g) | 0.75lbs (342g) | 0.75lbs (342g) | 0.75lbs (342g) | 0.75lbs (342g) |
| Warranty | 1 year | 1 year | 1 year | ✓ 3 years | ✓ 3 years | ✓ 3 years |

Ordering Information

- EX410Manual Ranging MultiMeter
- EX410-NISTEX410 MultiMeter w/ NIST Certificate
- EX411True RMS Manual Ranging MultiMeter
- EX411-NISTEX411 MultiMeter w/ NIST Certificate
- EX420Autoranging MultiMeter
- EX420-NISTEX420 MultiMeter w/ NIST Certificate
- EX430True RMS Autoranging MultiMeter
- EX430-NISTEX430 MultiMeter w/ NIST Certificate
- EX450Autoranging MultiMeter + IR Thermometer
- EX450-NISTLEX450 MultiMeter w/ NIST Certificate
- EX470True RMS Autoranging MultiMeter + IR Thermometer
- EX470-NISTLEX470 MultiMeter w/ NIST Certificate

Accessories

- CA500Case with shoulder strap and side pockets
- TP873Replacement Bead wire Temperature Probe
- HG500Magnetic Hanging Strap

