

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 (-22 to 572°F/-30 to 300°C), 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%	±0.5%	±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 10A	0.1μA to 10A	0.1μA to 10A	0.1μA to 10A	0.1μA to 10A	0.1μA to 10A
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

