

EX400 Series Professional MultiMeters



EX410

EX430

EX470
DMM+IR Thermometer



Built-in non-contact IR Thermometer allows you to safely perform non-contact temperature scans.



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Models with or without the built-in Infrared Thermometer, auto or manual ranging, True RMS or averaging

- 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
- CAT III-600V, CAT II-1000V rating
- 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 (Manual Ranging)

- Averaging multimeter

Model EX430 (Autoranging)

- True RMS for accurate AC measurements
- Relative function

Model EX470 (Autoranging)

- Built-in non-contact Infrared (IR) Thermometer
- True RMS for accurate AC measurements
- Relative function

SPECIFICATIONS	EX410	EX430	EX470
Temperature (IR)	—	—	58 to 518°F (-50 to 270°C)
Averaging/True RMS	Averaging	True RMS	True RMS
Basic Accuracy (VDC)	±0.5%	±0.3%	±0.3%
AC Voltage	1mV to 750V	0.1mV to 750V	0.1mV to 750V
DC Voltage	0.1mV to 1000V	0.1mV to 1000V	0.1mV to 1000V
AC Current	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
Resistance	0.1Ω to 20MΩ	0.1Ω to 40MΩ	0.1Ω to 40MΩ
Capacitance	—	0.01nF to 100µF	0.01nF to 100µF
Frequency	—	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)
Duty Cycle	—	0.1% to 99.9%	0.1% to 99.9%
Diode Test/Continuity	Yes	Yes	Yes
Dimensions/ Weight	7.4x3.2x2" (187x81x50mm)/ 0.75lbs (342g)		
Warranty	1 year	3 years	3 years

ORDERING

EX410	N	Manual Ranging MultiMeter
EX430	N	True RMS Autoranging MultiMeter
EX470	N	True RMS Autoranging MultiMeter + IR Thermometer
TL810		Electrical Test Lead Kit
TL803		Standard Test Leads
TP200		Type K Clamp Probe (212°F/100°C)
HG500		Magnetic Hanging Strap



Extech-exclusive Meters with Built-in IR Thermometer!

Our innovative design incorporates a built-in IR Thermometer. Look for the Built-in IR Thermometer logo throughout this catalog.



MultiMeters

Voltage Detectors

Clamp Meters

Psychrometers

Humidity Meters

Moisture Meters

Tachometers

Air Flow Meters

EX500 CAT IV Heavy Duty True RMS MultiMeters



EX505

EX520

EX530



Waterproof (IP67)/drop proof (6.5ft/2m) rugged design for heavy duty use

- True RMS for accurate AC measurements
- 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
- CAT IV-600V safety rating
- Complete with double molded test leads, magnetic hanging strap, general purpose Type K bead wire temperature probe, soft case, and one 9V battery

Model EX505

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

Model EX520

- 6000 count—high resolution
- 0.09% basic accuracy
- Min/Max/Relative/Data Hold
- 20A max current

Model EX530

- 40,000 count—highest resolution
- 0.06% basic accuracy
- Min/Max/Relative/Data Hold
- 20A max current
- Peak Hold (AC only)



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

SPECIFICATIONS	EX505	EX520	EX530
True RMS	True RMS	True RMS	True RMS
Basic Accuracy	±0.5%	±0.09%	±0.06%
DC Voltage	0.1mV to 1000VDC	0.1mV to 1000VDC	0.01mV to 1000VDC
AC Voltage	0.1mV to 1000VAC	1mV to 1000VAC	0.01mV to 1000VAC
DC/AC Current	0.1µA to 10A	0.1µA to 20A	0.01µA to 20A
Resistance	0.1Ω to 40MΩ	0.1Ω to 40MΩ	0.01Ω to 40MΩ
Capacitance	0.01nF to 100µF	0.01nF to 1000µF	0.001nF to 40mF
Frequency (electrical)	5Hz to 1kHz	10Hz to 400Hz	40Hz to 400Hz
Frequency (electronic)	0.001Hz to 10MHz	0.001Hz to 40MHz	0.001Hz to 100MHz
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)
Duty Cycle	0.1 to 99.9%	0.1 to 99.9%	0.1 to 99.9%
Diode (2.8V)/Continuity	Yes	Yes	Yes
Category Rating	CAT IV-600V, CAT III-1000V	CAT IV-600V, CAT III-1000V	CAT IV-600V, CAT III-1000V
Waterproof / Drop proof	IP67 / 6.5ft (2m)	IP67 / 6.5ft (2m)	IP67 / 6.5ft (2m)
Dimensions	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)
Warranty	3 years	3 years	3 years

ORDERING

EX505	N	True RMS Industrial MultiMeter (4000 count)
EX520	N	True RMS Industrial MultiMeter (6000 count)
EX530	N	True RMS Industrial MultiMeter (40,000 count)
TL810		Electrical Test Lead Kit
TL805		Double Injected Test Leads
TP200		Type K Clamp Probe (212°F/100°C)
HG500		Magnetic Hanging Strap