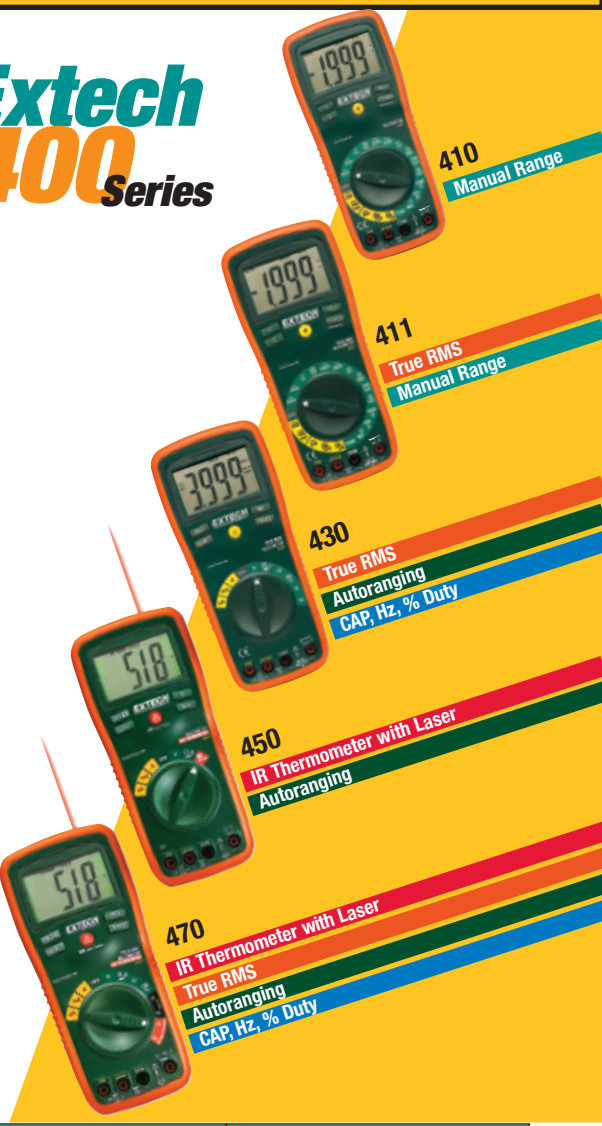
EXTECH INSTRUMENTS Product DATASHEET

Extech 400 Series MultiMeter + IR Thermometer

Rugged multimeters with built-in non-contact InfraRed Thermometer and True RMS functions

Features:

- Models 450 and 470 include built-in non-contact IR thermometer with laser!
- Low current capability – measure down to 0.1µA
- Audible and visual input alerts
- Easy to read 1 inch digits on backlit display
- MAX (Model 450) Hold for AC/DC Voltage and Current measurements and RELATIVE function (Models 430 and 470) for establishing a base line reference
- IR thermometer has 8:1 distance to target ratio, 0.95 fixed emissivity
- Complete with CAT III test leads, multi-position tilt stand and velcro strip for hanging, protective holster with test lead holder, bead wire temperature probe (-58 to 482°F/-50 to 250°C) (except Model 450) and 9V battery



Advantages of Non-Contact InfraRed Temperature with laser

- **Troubleshoot**
  Quickly locate hot spots
- **Distance**
  8:1 distance to target ratio allows for measurements in areas that are normally difficult or unsafe to reach
- **Speed**
  Point and shoot with final result in seconds
- **Convenience**
  No cables or probes to connect, break or lose.

InfraRed Thermometer with built-in laser!
(Patent Pending)

CE UL **CAT III - 600V**

Model No.	410	411	430	450	470
Description	Manual Ranging DMM	True RMS DMM	True RMS Autoranging DMM	DMM + IR Thermometer	True RMS + IR Thermometer
Display	2000 Counts Backlit		4000 Counts Backlit	2000 Counts Backlit	4000 Counts Backlit
Basic Accuracy	±0.5% (VDC)		±0.3% (VDC)	±0.5% (VDC)	±0.3% (VDC)
DC Voltage	0.1mV to 1000V (4 ranges)		0.1mV to 1000V	0.1mV to 1000V	0.1mV to 1000V
AC Voltage	1mV to 750V (3 ranges)		0.1mV to 750V	0.1mV to 750V	0.1mV to 750V
DC Current	0.1µA to 20A (3 ranges)		0.1µA to 20A	0.1µA to 20A	0.1µA to 20A
AC Current	0.1mA to 20A (2 ranges)		0.1µA to 20A	0.1µA to 20A	0.1µA to 20A
Resistance	0.1Ω to 20MΩ (5 ranges)		0.1Ω to 40MΩΩ	0.1Ω to 20MΩ	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)
Temperature (IR with laser)	—		—	-4 to 518°F (-20 to 270°C)	-4 to 518°F (-20 to 270°C)
Duty Cycle	—		0.1 to 99.9%	—	0.1 to 99.9%
Diode/Continuity	Yes		Yes	Yes	Yes
Warranty	One Year		Three Year	Three Year	Three Year

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ISO 9001:2000 CERTIFIED

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