EXTECH BY FLIR

PRODUCT DATASHEET

EX400A Series
Professional MultiMeters

EX470A with Non-contact IR Thermometer Function

Extech's Professional grade multimeter series offer models with Manual or Autoranging feature, True RMS or Averaging measurements, and Advanced functions of Capacitance, Frequency, and Duty Cycle, as well as top of the line model with built-in InfraRed Thermometer. Choose the model that best fits your application needs!

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 Features

- **Models EX410A/EX411A** — Manual ranging
  - True RMS (EX411A)
- **Model EX430A** — Autoranging
  - True RMS
  - Capacitance
  - Frequency
  - Relative function
- **Model EX470A** — Autoranging
  - Built-in IR Thermometer
  - True RMS
  - Capacitance
  - Frequency
  - Relative function

Specifications on next page

Ordering

EX410A N*..... Manual Ranging MultiMeter
EX411A N*..... True RMS Manual Ranging MultiMeter
EX430A N*..... True RMS Autoranging MultiMeter
EX470A N**..... True RMS Autoranging MultiMeter + IR Thermometer

N Indicates products that are available with optional calibration traceable to NIST. Order with -NIST after part number for product plus Calibration Certificate.*
*N**For EX470A, order with NISTL-Limited NIST with Certificate of Traceability to all functions except IR Thermometer.*

EN 61010-1 CAT III 600V · CE · c UL us LISTED

EX410A UPC Code: 793950384138
EX411A UPC Code: 793950384145
EX430A UPC Code: 793950384329
EX470A UPC Code: 793950384732

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Specifications	EX410A	EX411A	EX430A	EX470A
Temperature (IR)	—	—	—	58 to 518°F (-50 to 270°C)
Averaging/True RMS	Averaging	True RMS	True RMS	True RMS
Basic Accuracy (VDC)	±0.5%	±0.3%	±0.3%	±0.3%
AC Voltage	1mV to 600V	1mV to 600V	0.1mV to 600V	0.1mV to 600V
DC Voltage	0.1mV to 600V	0.1mV to 600V	0.1mV to 600V	0.1mV to 600V
AC Current	0.1mA to 10A	0.1mA to 10A	0.1µA to 10A	0.1µA to 10A
DC Current	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
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)	-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	Yes
Dimensions	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)
Warranty	1 year	1 year	3 years	3 years

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