

## EX400A Series Professional MultiMeters



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)
- **Models EX420A/EX430A** — Autoranging
  - True RMS (EX430A)
  - 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  
 EX420A **N**\* ..... Autoranging 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.



EX410A UPC Code: 793950384138  
 EX411A UPC Code: 793950384145  
 EX420A UPC Code: 793950384237  
 EX430A UPC Code: 793950384329  
 EX470A UPC Code: 793950384732

| Specifications        | EX410A                         | EX411A                         | EX420A                         | EX430A                         | EX470A                         |
|-----------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Temperature (IR)      | —                              | —                              | —                              | —                              | 58 to 518°F<br>(-50 to 270°C)  |
| Averaging/True RMS    | Averaging                      | True RMS                       | Averaging                      | True RMS                       | True RMS                       |
| Basic Accuracy (VDC)  | ±0.5%                          | ±0.3%                          | ±0.3%                          | ±0.3%                          | ±0.3%                          |
| AC Voltage            | 1mV to 600V                    | 1mV to 600V                    | 0.1mV 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                  | 0.1mV to 600V                  |
| AC Current            | 0.1mA to 10A                   | 0.1mA to 10A                   | 0.1μA 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                   | 0.1μA to 10A                   |
| Resistance            | 0.1Ω to 20MΩ                   | 0.1Ω to 20MΩ                   | 0.1Ω to 40MΩ                   | 0.1Ω to 40MΩ                   | 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<br>(-20 to 750°C) | -4 to 1382°F<br>(-20 to 750°C) | -4 to 1382°F<br>(-20 to 750°C) | -4 to 1382°F<br>(-20 to 750°C) | -4 to 1382°F<br>(-20 to 750°C) |
| Duty Cycle            | —                              | —                              | 0.1% to 99.9%                  | 0.1% to 99.9%                  | 0.1% to 99.9%                  |
| Diode Test/Continuity | Yes                            | Yes                            | Yes                            | Yes                            | Yes                            |
| Dimensions            | 7.4x3.2x2"<br>(187x81x50mm)    | 7.4x3.2x2"<br>(187x81x50mm)    | 7.4x3.2x2"<br>(187x81x50mm)    | 7.4x3.2x2"<br>(187x81x50mm)    | 7.4x3.2x2"<br>(187x81x50mm)    |
| Weight                | 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                        |