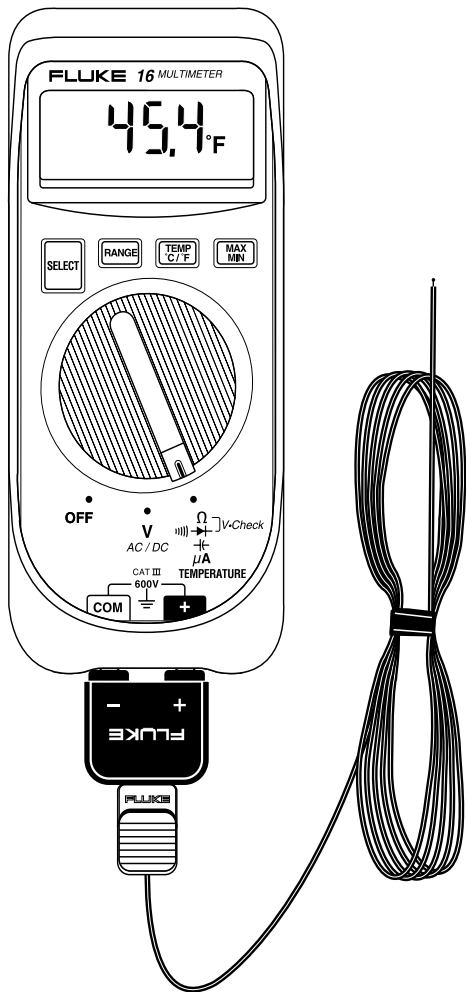


## Fluke 16 Multimeter With Thermometer

**New**



### It's a thermometer

The Fluke 16 measures temperature quickly and accurately. Standard equipment includes an 80PK-1 bead probe thermocouple and an 80AK temperature adapter, which is compatible with a wide range of type K thermocouples with mini-connectors.

### It's a flame rod circuit tester

A microamp function is included for flame sensor measurements down to 0.1 microamps.

### It's a multimeter with capacitance

Use the Fluke test motor start and run capacitors up to 10,000 microfarads. Rely on the Fluke 16 to make your everyday measurements - up to 600 volts ac or dc, 40 megohms, diode test and exceptionally fast continuity.

- Accurate temperature measurement from -40° to 750°F (-40° to 400°C)
- Confidently test flame sensor circuits with microamp measurement down to 0.1 microamps
- Capacitance up to 10,000 microfarads
- Min/Max recording with relative time stamp records the highest and lowest voltage readings during a 100-hour period
- Auto-ranging
- High resistance ranges to 40 MΩ
- Millivolt range for compatibility with other accessories
- V-Check™ mode is designed for safety. When measuring ohms, continuity, or diode test modes, the meter automatically switches to measuring ac or dc volts if more than 4.5V is present

- Continuity Capture™ locates intermittent opens as brief as 250 microseconds and identifies them in a symbolic display as short-to-open or open-to-short
- Sleep mode preserves battery life
- 4000 count digital display
- Meter includes: 80BK Bead Temperature Probe, TL75 Test Leads, and C10 Holster

### Safety

600V ac/dc, maximum voltage between any terminal and earth ground. Conforms to the requirements of IEC-1010-1, 1990-09 and ANSI/ISA-S82.01-94 for use in Overvoltage Category III locations. Make ac or dc voltage measurements on electrical distribution systems to 600V where transients do not exceed 6 kV and only on circuits limited to 14 kVA if the circuit voltage rating is above 250V. Certification agencies (approvals/listings pending):

UL	Per standard UL 3111
CSA	Per standard CSA/CAN C22.2 No.1010.1-92
TÜV	Per standard EN61010 Part 1-1993

### Drop test

ANSI/ISA-S82.01-94 and EN61010 Part1-1993. 10 ft. drop to hardwood on concrete

### Size

(HxWxL) 1.12 in x 2.95 in x 6.55 in, (2.8 cm x 7.5 cm x 16.6 cm)

### Battery life

650 hours with Alkaline

### Weight

12 oz (340g)

### Warranty

Three years

LISTED



# Specifications

Function	Range	Resolution	Accuracy
<b>DC Volts</b>	4000 mV <sup>1</sup>	1 mV	0.9% + 2
	4.000V	0.001V	0.9% + 2
	40.00V	0.01V	0.9% + 1
	400.0V	0.1V	0.9% + 1
	600V	1V	0.9% + 1
<b>AC Volts</b>	4000 mV <sup>1</sup>	1 mV	1.9% + 3
	4.000V	0.001V	1.9% + 3
	40.00V	0.01V	1.9% + 3
	400.0V	0.1V	1.9% + 3
	600V	1V	1.9% + 3
<b>Current ac/dc</b>	200 $\mu$ A	0.1 $\mu$ A	0.5% + 2
<b>Ohms</b>	400.0 $\Omega$	0.1 $\Omega$	0.9% + 2
	4.000 k $\Omega$	0.001 k $\Omega$	0.9% + 1
	40.00 k $\Omega$	0.01 k $\Omega$	0.9% + 1
	400.0 k $\Omega$	0.1 k $\Omega$	0.9% + 1
	4.000 M $\Omega$	0.001 M $\Omega$	0.9% + 1
	40.00 M $\Omega$	0.01 M $\Omega$	1.5% + 3
<b>Capacitance</b>	1.000 $\mu$ F	0.001 $\mu$ F	1.9% + 2 <sup>2</sup>
	10.00 $\mu$ F	0.01 $\mu$ F	1.9% + 2 <sup>2</sup>
	100.0 $\mu$ F	0.1 $\mu$ F	1.9% + 2 <sup>2</sup>
	1000 $\mu$ F	1 $\mu$ F	1.9% + 2 <sup>2</sup>
	10,000 $\mu$ F	10 $\mu$ F	10% + 90 typical <sup>2</sup>
<b>Temperature</b>	15 to 750° F	0.1° F	1% + 1.5° F typical <sup>3</sup>
	- 40 to 15° F	0.1° F	5% + 2.7° F <sup>3</sup>
	-10 to 400° C	0.1° C	1% + .8° C typical <sup>3</sup>
	-40 to -10° C	0.1° C	5% + 1.5° C <sup>3</sup>

<sup>1</sup> The 4000 mV range can only be entered in manual range mode. use the 4000 mV range with accessories.

<sup>2</sup> The accuracy specification is for capacitors that have negligible dielectric absorption. Capacitance measured with rc charge technique that evaluates  $C = Q/V$ . Capacitors with non-negligible dielectric absorption can be measured, but measurement values may be in error.

<sup>3</sup> The accuracy specification for temperature do not include the error caused by the thermocouple.

## Accessories and Ordering Information

### Included Accessories

80PK-1 Bead Temperature Probe  
80AK Temperature Adapter  
TL75 Test Leads  
C10 Holster

### Ordering Information

Fluke 16 Multimeter with Temperature

Need Technical Assistance? Call:

**1-800-44-FLUKE**

Toll-free in the U.S.

(905) 890-7600 in Canada

(425) 356-5500 other countries

For more information to be sent to you by fax, call 1-800-FLUKE-FAX in the U.S. and Canada, or visit our Website at <http://www.fluke.com>

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