



General Specifications

	62 Max	62 Max+
<b>Temperature Range</b>	-30 °C to 500 °C (-22 °F to 932 °F)	-30 °C to 650 °C (-22 °F to 1202 °F)
<b>Accuracy</b>	± 1.5 °C or ± 1.5 % of reading ± 2.0 at -10 °C to 0 °C ± 3.0 at -30 °C to -10 °C	± 1. °C or ± 1.0 % of reading ± 2.0 at -10 °C to 0 °C ± 3.0 at -30 °C to -10 °C
<b>Response Time (95 %)</b>	<500 ms (95 % of reading) Spectral Response: 8 to 14 microns Emissivity: 0.10 to 1.00	<300 ms (95 % of reading) Spectral Response: 8 to 14 microns Emissivity: 0.10 to 1.00
<b>Optical Resolution</b>	10:1 (calculated at 90 % energy)	12:1 (calculated at 90 % energy)
<b>Display Resolution</b>	0.1 °C (0.2 °F)	0.1 °C (0.2 °F)
<b>Repeatability of Readings</b>	± 0.8 % of reading or <± 1.0 °C (2 °F), whichever is greater	± 0.5 % of reading or <± 0.5 °C (1 °F), whichever is greater
<b>Power</b>	AA battery	AA battery



Learn more: [fluke.com/62MAX](http://fluke.com/62MAX)

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Printed in U.S.A. 3/2012 4160018A\_EN

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# TAKES THE HEAT.

## AND THE DUST, WATER AND 3-METER DROP.

Introducing the new 62 Max IR Thermometers from Fluke.





## Introducing the Fluke 62 MAX and 62 MAX+ IR Thermometers: Small in size. Big on toughness.

### Why IR Thermometers?

Temperature is often the first indication of potential problems in electrical and mechanical applications. But how can you easily determine if an electrical panel has a hot spot, a motor is overheating or an HVAC system is inefficient? The answer is with an infrared (IR) thermometer. With handheld, non-contact IR thermometers, you can instantly measure equipment temperatures in hard-to-reach or hazardous areas. And with early detection of abnormal temperatures comes early correction of problems.

### Why Fluke 62 MAX and Fluke 62 MAX+?

Designed with your on-the-job needs in mind, the new Fluke 62 MAX and 62 MAX+ infrared thermometers are everything you'd expect from the experts in measurement tools: small in size, extremely accurate and very easy to use. IP54 rated for dust and water resistance. Precise yet rugged enough to take a 3-meter drop. In fact, the 62 MAX and 62 MAX+ are so tough, they're the only IR thermometers around you can handle without care.

**Dust and water-resistant:** IP54 rated for dust and water resistance.

**Rugged:** 3-meter (9.8-foot) drop tested.

**Ergonomically designed:** Completely redesigned for a more comfortable hand fit

**Small in size:** Small and lightweight; clips to your tool belt or belt loop or easily fits into your tool box.

**Distance to spot:** Precise laser technology makes for more accurate and repeatable measurements.

**Dual lasers:** The 62 MAX+ has dual rotating lasers to help you identify area to be measured. The measurement area is the spot between the dots.

**Large, backlit display:** Large screen makes data easier to read, even in dark areas.

**Min/Max/Avg/Dif:** Displays the minimum, maximum or average temperature, or the difference between two measurements.

**Alarm:** Hi and Lo alarms for rapid display of measurements outside the limits.

**Power:** Both the 62 MAX and 62 MAX+ are powered by a single, standard AA battery.



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type of work**

**4 NEW multimeters with  
exactly the functions you need**



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Printed in the Netherlands 09/06  
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Pub\_ID: 11160-eng Rev. 01

# 110 Series Digital Multimeters

**New**



Fluke 117



Fluke 115



Fluke 114



Fluke 116

## Compact design for ergonomic one-handed operation

The 110 Series comprises of four true-rms DMMs each designed for specific users, so one is sure to match your needs. The compact instruments offer convenient one-handed operation and feature a backlight display with large, easy-to-read digits.

### 117 Electrician's Multimeter with Non-Contact Voltage

For electricians working in commercial and non-commercial premises (like hospitals and schools), the 117 is recommended. It includes extras like non-contact voltage detection to help get the job done faster and safer.

### 116 Multimeter with temperature and microamps

The 116 is for heating, ventilation and air conditioning (HVAC) engineers. It includes temperature measurement and microamp current ranges to quickly troubleshoot HVAC problems.

### 115 Multimeter for field service testing

An everyday multimeter for technicians, the 115 is optimized for electrical and electronic testing in field service, industrial, and applications where more than basic functionality (such as measurement of ac/dc current) simplifies working.

### 114 Electrical Multimeter

The 114 is ideal for electrical troubleshooting and straightforward 'go/no-go' testing in residential/commercial electrical testing. It has all the basic functions plus a special feature to prevent false readings caused by ghost voltage.

## Features

	114	115	116	117
True RMS readings	AC	AC	AC	AC
Counts	6000	6000	6000	6000
Backlight	●	●	●	●
Analog bargraph	●	●	●	●
AutoVolt: Automatic AC/DC voltage selection	●		●	●
VoltAlert™, Non-contact voltage detection				●
Built-in thermometer for HVAC applications			●	
LoZ: low input impedance to prevent ghost voltage	●		●	●
Min/Max/Average to record signal fluctuations	●	●	●	●
Resistance, continuity	●	●	●	●
Frequency, Capacitance, Diode test		●	●	●
Microamps to test flame sensors			●	
Display hold	●	●	●	●
Auto/manual ranging	●	●	●	●
Low battery indication	●	●	●	●
Compact case with removable holster	●	●	●	●

## Specifications

(Check the Fluke web for detailed specifications)

Functions	Maximum	Max. resolution	114	115	116	117
Voltage DC	600V	1mV	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)
Voltage AC	600V	1mV	±(1.0%+3)	±(1.0%+3)	±(1.0%+3)	±(1.0%+3)
Current DC	10.00A	1mA		±(1.0%+3)		±(1.0%+3)
Current AC	10.00A	0.01A		±(1.5%+3)		±(1.5%+3)
Resistance	40MΩ	0.1Ω	±(0.9%+1)	±(0.9%+1)	±(0.9%+1)	±(0.9%+1)
Capacitance	10000μF	1nF		±(1.9%+2)	±(1.9%+2)	±(1.9%+2)
Frequency	50kHz	0.01Hz		±(0.1%+2)	±(0.1%+2)	±(0.1%+2)
Temperature	-40°C/+400°C	0.1°C			±(1.0%+2)	

Accuracies are best accuracies for each function

**Battery type:** 9 volt Alkaline, 400 hours typical  
**Size (HxWxD):** 167 mm x 84mm x 46 mm

**Weight:** 0.55 kg (including batteries)  
**Three Year Warranty**



On all inputs



### Included Accessories

Test leads with 4 mm lantern tips and protective cap. Holster, installed 9V battery and users manual

### Ordering Information

Fluke 114 True RMS Multimeter  
 Fluke 115 True RMS Multimeter  
 Fluke 116 True RMS Multimeter  
 Fluke 117 True RMS Multimeter

## Recommended Accessories



C50



TL223



MC6



TPAK