

**FLUKE®**

**Optimized for your  
type of work**

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



**Fluke.** *Keeping your world up and running.™*

**Fluke Corporation**  
P.O. Box 9090  
Everett, WA USA 98206

**Fluke Europe B.V.**  
P.O. Box 1186  
5602 BD Eindhoven  
The Netherlands

**For more information call:**  
In the U.S.A. (800) 443-5853  
or Fax (425) 446-5116  
In Europe/M-East/Africa  
+31 (0)40 2 675 200  
or Fax +31 (0)40 2 675 222  
In Canada (905) 890-7600  
or Fax (905) 890-6866  
From other countries +1 (425) 446-5500  
or Fax +1 (425) 446-5116

Visit us on the worldwide web at:  
**[www.fluke.eu](http://www.fluke.eu)**

**Fluke (UK) Ltd.**  
52 Hurricane Way  
Norwich  
Norfolk  
NR6 6JB  
United Kingdom  
Tel.: (020) 7942 0700  
Fax: (020) 7942 0701  
E-mail: [industrial@uk.fluke.nl](mailto:industrial@uk.fluke.nl)

Visit us on the worldwide web at:  
**[www.fluke.co.uk](http://www.fluke.co.uk)**

© Copyright 2006, Fluke Corporation. All rights reserved.  
Printed in the Netherlands 09/06  
Data subject to alteration without notice.

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 backlit 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