

TECHNICAL DATA

# Fluke 233 Remote Display Multimeter



## The Fluke 233 True-rms Remote Display Digital Multimeter allows you to be in two places at once.

- Removable display gives the user ultimate flexibility in unusual measurement scenarios
- Place the display where you can see it and then put the meter where it is convenient for you—no more juggling of leads and the meter while stretching into a tight spot
- Removes the dilemma of trying to take measurements in hard-to-reach places, or making measurements in machines or panels that are physically separated from a limit or isolator switch
- Can be used in areas where the operator can't be close to the active measurement point, like clean rooms or hazardous areas.
- True-rms ac voltage and current for accurate measurements on non-linear signals
- Measure up to 1000 V ac and dc
- Measure up to 10 A (20 A for 30 seconds)
- 10,000  $\mu\text{F}$  capacitance range
- Frequency to 50 kHz
- Built in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument
- Resistance, continuity and diode test

### ULTIMATE FLEXIBILITY IN TOUGH MEASUREMENT SITUATIONS

Be in two places at once

### INCREASED SAFETY

Reduce arc flash risk by keeping yourself out of hazardous situations

### MAKES HARD MEASUREMENTS EASY

- Read the display up to 10 meters (33 feet) away
- No more holding both the meter and the test leads to make a measurement
- Ideal when the measurement point is separated from controls

### Features

- Low power wireless technology allows the display to be carried up to 10 meters (33 ft) away from the point of measurement for added flexibility.  
No interference with measurements
- The removable magnetic display can be conveniently mounted where it is easily seen
- Make measurements without holding the meter to improve visual focus on probes and augment safe electrical measurements
- Use as a conventional multimeter when the display is connected
- Radio transmitter automatically turns off when the display is connected to the meter
- Auto power off maximizes battery life
- Min/Max and Average recording to capture variations automatically
- Test continuity and diodes
- Easy to read display with large digits and bright backlight
- Battery life approximately 400 hours

## Specifications

<b>Accuracy specifications</b>	
DC voltage	
Range	0.1 mV to 1000 V
Accuracy	0.25 % + 2
AC voltage	
Range	0.1 mV to 1000 V
Accuracy	1.0 % + 3
DC current	
Range	0.1 mA to 10 A
Accuracy	1.0 % + 3
AC current	
Range	0.1 mA to 10 A
Accuracy	1.5 % + 3
Resistance	
Range	0.1 $\Omega$ to 40 M $\Omega$
Counts	6,000
Capacitance	1,000 nF to 9,999 $\mu$ F
Frequency	0.1 Hz to 50.00 kHz
Temperature	-40 °C to +400 °C
<b>General specifications</b>	
AC true-rms	Yes
Ranging	Auto/Manual
Backlight	Yes
Data storage min/max/avg	Yes
Power	AA batteries: Three for main body; two for display
Battery type	AA batteries IEC LR6; three for main body two for display
Battery life	400 hours
Wireless frequency	2.4 GHz ISM Band 10 meter range
Safety rating	IEC 61010-1: Pollution degree 2 IEC 61010-2-033: CAT IV 600 V, CAT III 1000 V
Removable display	Yes
External protection	Rubber overmold
Warranty	Three-years
Size (H x W x L)	5.3 cm x 5.3 cm x 19.3 cm (2.08 in x 2.08 in x 7.6 in)
Weight	604 g (1.3 lb)

## Ordering information

233 Remote Display Multimeter

### Included

Test leads,  
Alligator clips,  
**80BK-A** Temperature Probe  
User documentation  
AA batteries

### Optional accessories

**TPak** Magnetic Hanging Kit  
**i410** AC/DC Current Clamp  
**80PK-9** General Purpose Probe (Type K)  
**80AK-A** Thermocouple Adapter  
**C35** Soft Carry Case



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

**Fluke Corporation**  
PO Box 9090, Everett, WA 98206 U.S.A.

**Fluke Europe B.V.**  
PO Box 1186, 5602 BD  
Eindhoven, The Netherlands

**Modification of this document is not permitted without written permission from Fluke Corporation.**

**For more information call:**  
In the U.S.A. (800) 443-5853 or  
Fax (425) 446-5116  
In Europe/M-East/Africa +31 (0)40 267 5100 or  
Fax +31 (0)40 267 5222  
In Canada (800)-36-FLUKE or  
Fax (905) 890-6866  
From other countries +1 (425) 446-5500 or  
Fax +1 (425) 446-5116  
Web access: <http://www.fluke.com>

©2009, 2020 Fluke Corporation.  
Specifications subject to change without notice.  
Printed in U.S.A. 3/2020 3476728c-en