

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 μ 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

Accuracy specifications	
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 Ω to 40 M Ω
Counts	6,000
Capacitance	1,000 nF to 9,999 μ F
Frequency	0.1 Hz to 50.00 kHz
Temperature	-40 °C to +400 °C
General specifications	
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