

FLUKE®

Fluke 233 Remote Display Multimeter

Technical Data



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

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



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 MΩ
Counts		6000
Capacitance		1000 nF to 9999 μF
Frequency		0.1 Hz to 50.00 kHz
Temperature		-40 °C to +400 °C
Power		AA batteries: Three for main body; two for display
Battery life		400 hours
Wireless frequency		2.4 GHz ISM Band 10 meter range
Safety rating		CAT IV 600 V , CAT III 1000 V

General specifications

Basic features	
AC true-rms	Yes
Ranging	Auto/Manual
Display	
Backlight	Yes
Data storage	
Min/Max/Avg	Yes
Other features	
Battery type	AA alkaline
Removable display	Yes
Warranty and protection	
Safety rating	CAT IV 600 V/CAT III 1000 V
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

Includes: Test leads, alligator clips, 80BK-A temperature probe, manual, CD-ROM, and 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



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