

TECHNICAL DATA

Fluke 233 Remote Display Multimeter



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

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 hardto-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 µF 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



Specifications

DC voltage Image Range 0.1 mV to 1000 V Accuracy 0.25 % + 2 C voltage 0.1 mV to 1000 V Range 0.1 mV to 1000 V Accuracy 1.0 % + 3 DC current 0.1 mA to 10 A Accuracy 1.0 % + 3 C current 0.1 mA to 10 A Accuracy 1.1 % % + 3 Range 0.0 1 mA to 10 A Accuracy 1.1 % % + 3 Resistance 0.000 Capactance 1.0000 Pr 0.9.999 µF Prequency 0.1 Hz to 50.00 kHz Temperature -40 °C to +400 °C Centrertms Yes Ranging Yes Power AA batteries: Three for main body; two for display Bats storage min/max/avg Yes Power AA batteries: EC LR6; three for main body; two for display Battery type AA batteries: EC LR6; three for display Battery type	Accuracy specifications	
Accuracy 0.25 % + 2 AC voltage	DC voltage	
AC voltage Image Range 0.1 mV to 1000 V Accuracy 1.0 % + 3 DC current 0.1 mA to 10 A Accuracy 0.1 mA to 20 MD Counts 6,000 Capacitance 0.1 mA to 0 MD Capacitance 0.1 mA to 0 MD Capacitance 1.000 mF to 9,999 µF Prequency 0.1 Hz to 50.00 kHz Batosytape min/max/ay Yes Acture-ms	Range	0.1 mV to 1000 V
Range 0.1 mV to 1000 V Accuracy 1.0 % + 3 DC current 0.1 mA to 10 A Range 0.1 mA to 10 A Accuracy 1.0 % + 3 Accuracy 1.0 % + 3 Accuracy 1.0 % + 3 Accuracy 0.1 mA to 10 A Accuracy 0.1 mA to 10 A Accuracy 0.1 mA to 10 A Accuracy 0.1 m to 10 A Accuracy 0.1 m to 10 A Accuracy 1.5 % + 3 Range 0.0.1 m to 0 MD Counts 6,000 Capacitance 1.000 nP to 9,999 µF Frequency 0.1 Hz to 50.00 KHz Temperature -40 °C to +400 °C Ceneral specifications Yes Acture-rms Yes Ranging Atuto/Manual Backlight Yes Data storage min/max/avg Yes Power AA batteries: Three for main body; two for display Battery type AA batteries IEC LRG; three for main body two for display Battery type AA batteries IEC CRG th	Accuracy	0.25 % + 2
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Accuracy 1.5 % + 3 Resistance	AC current	
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Battery life400 hoursWireless frequency2.4 GHz ISM Band 10 meter rangeSafety ratingIEC 61010-1: Pollution degree 2 IEC 61010-2-033: CAT IV 600 V, CAT III 1000 VRemovable displayYesExternal protectionRubber overmoldWarrantyThree-yearsSize (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)	Power	AA batteries: Three for main body; two for display
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External protectionRubber overmoldWarrantyThree-yearsSize (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)	Safety rating	IEC 61010-1: Pollution degree 2 IEC 61010-2-033: CAT IV 600 V, CAT III 1000 V
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)	Removable display	Yes
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)	External protection	Rubber overmold
	Warranty	Three-years
Weight 604 g (1.3 Ib)	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



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