

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke 233-NIST Remote Display Multimeter with detachable display

The Fluke 233-NIST Remote Display Multimeter features a detachable display for added flexibility and safety. This allows users to take measurements in hard-to-reach or hazardous areas, while still being able to view the readings. NIST-traceable calibration ensures accuracy and reliability.



MODEL

Fluke 233-NIST

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

233-NIST

LISTING

<https://aumictechlabs.com/products/233-nist-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke 233-NIST Remote Display Multimeter delivers true-rms electrical measurements with a detachable wireless display capable of operating up to 33 feet (10 meters) from the meter body. This separation enables safer measurements in hazardous environments and reduces arc flash risk by positioning the user away from the test point. A single technician can now perform tasks traditionally requiring two people, improving field efficiency while maintaining NIST-traceable measurement accuracy. Technical Specifications Measurement Ranges & Accuracy: DC Voltage: 0.1 mV to 1000 V, $\pm(0.25\% + 2 \text{ counts})$ AC Voltage: 0.1 mV to 1000 V, $\pm(1.0\% + 3 \text{ counts})$ DC Current: 0.1 mA to 10 A, $\pm(1.0\% + 3 \text{ counts})$ AC Current: 0.1 mA to 10 A, $\pm(1.5\% + 3 \text{ counts})$ Resistance: 0.1 Ω to 40 M Ω Capacitance: 1000 nF to 9999 μ F Frequency: 0.1 Hz to 50 kHz, 0.01 Hz

resolution Temperature: -40°C to 400°C Display & Performance: 6,000 counts resolution Wireless remote display with magnetic mounting 2.4 GHz ISM band communication Power & Battery: Meter body: 3 × AA alkaline batteries Display unit: 2 × AA alkaline batteries Battery life: approximately 400 hours typical Auto-off function extends runtime Physical & Safety: Dimensions: 19.3 × 5.3 × 5.3 cm (7.6 × 2.08 × 2.08 inches) Weight: 604 g (1.3 lb) Rubber overmold protection CAT IV 600 V, CAT III 1000 V rated True-rms AC measurements on non-linear signals Key Features Detachable wireless display operates independently up to 33 feet away NIST-traceable calibration certificate with full data and uncertainties True-rms measurement capability for distorted AC waveforms Positions hazardous measurement points away from the operator Single-technician operation eliminates two-person workflow requirements Typical Applications Electrical troubleshooting in confined or high-voltage environments where operator safety is critical. Equipment commissioning and preventive maintenance on energized systems. Field diagnostics requiring NIST-certified measurement traceability. Compatibility & Integration Includes test leads, alligator clips, temperature probe, and CD-ROM documentation. All accessories ship with the unit.

233NIST Characteristics / Specifications

PARAMETER	VALUE
Safety Rating	CAT IV 600 V / CAT III 1000 V
Measurement Type	True-RMS digital multimeter
DC Voltage Max Class	1000 V
AC Voltage Max Class	1000 V
Current Measurement	AC and DC current ranges class
Resistance	yes
Continuity	yes
Diode Test	yes
Temperature	K type
Recording	Min Max Average
Display	removable wireless display
Wireless Technology	proprietary remote display link class
Backlight	yes
Auto Power Off	yes
Form Factor	handheld
Battery Powered	yes
True RMS	yes
Relative Reference Class	supported on platform
Frequency Measurement Class	yes
Capacitance Class	yes on 233 platform literature
Operating Environment Class	industrial handheld
Series Family	Fluke 233 remote display DMM

233NIST Specifications

PARAMETER	VALUE
Fluke 233 True RMS Remote Display Digital Multimeter	Overview
Min/Max/Average recording	K-type temperature
Technical Specifications	Safety Rating: CAT IV 600 V / CAT III 1000 V

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Safety Rating	CAT IV 600 V / CAT III 1000 V
Measurement Type	True-RMS digital multimeter
DC Voltage Max Class	1000 V
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Current Measurement	AC and DC current ranges class
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Diode Test	yes
Temperature	K type
Recording	Min Max Average
Display	removable wireless display
Wireless Technology	proprietary remote display link class
Backlight	yes
Auto Power Off	yes
Form Factor	handheld
Battery Powered	yes
True RMS	yes
Relative Reference Class	supported on platform
Frequency Measurement Class	yes
Capacitance Class	yes on 233 platform literature
Operating Environment Class	industrial handheld
Series Family	Fluke 233 remote display DMM
Notes	
Capability and safety ratings from Fluke 233 True RMS Wireless Display Digital Multimeter product literature. Confirm exact range/accuracy table on the unit datasheet revision for calibration work.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.