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Data Sheet

August 14, 2026

FLUKE

Fluke 115-NIST True RMS Digital Multimeter

The Fluke 115 True RMS digital multimeter is a compact and reliable tool for electrical troubleshooting. It measures AC/DC voltage and current, resistance, continuity, and frequency. With a large white LED backlight display, it ensures clear readings in any environment. The Fluke 115 is independently tested for safe use in CAT III 600V environments.



MODEL

Fluke 115-NIST

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

115-NIST

LISTING

<https://aumictechlabs.com/products/115-nist-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 115-NIST True RMS Digital Multimeter is a compact, ergonomically designed instrument for field service technicians and electrical troubleshooting applications. It delivers accurate True RMS voltage and current measurements on non-linear loads with a 6,000-count display and 33-segment bar graph updating 32 times per second. The large white LED backlight ensures visibility in low-light environments. Safety-rated for CAT III 600 V with 6 kV peak surge protection per IEC 61010-1, the 115-NIST includes a NIST traceable calibration certificate with full data and uncertainties, meeting requirements for certified measurement accuracy. Technical Specifications Display: 6,000-count digital with 33-segment bar graph (32 updates/second) and large white LED backlight Voltage Measurement: AC/DC to 600 V; AC specified from 1% to 100% of range Current Measurement: AC/DC to 10 A; 20 A overload capability for 30 seconds maximum Resistance: Up to 40 MΩ Frequency: AC voltage to 50 kHz; AC current to 5 kHz Capacitance: Up to 9,999 μF Input Impedance: >5 MΩ (AC/DC); ~3 kΩ (Auto-V LoZ mode) Temperature Range: Operating

-10°C to +50°C; Storage -40°C to +60°C Battery: 9 V alkaline (NEDA 1604A/IEC 6LR61); 400 hours typical without backlight Fuse: 11 A, 1000 V FAST (Fluke PN 803293) Dimensions: 167 × 84 × 46 mm; 600 g Key Features True RMS measurement on non-linear loads Continuity testing with beeper (<20 Ω threshold); detects opens/shorts $\geq 500 \mu\text{s}$ Diode test function Min/Max/Average recording with elapsed time One-handed operation with integrated holster NIST traceable calibration certificate included with full data and uncertainties Typical Applications Field service and maintenance troubleshooting AC/DC circuit testing in CAT III 600 V environments Non-linear load analysis Component verification and diode testing Compatibility & Integration Compatible with optional ToolPak™ magnetic hanger

115NIST Characteristics / Specifications

PARAMETER	VALUE
Safety Rating	CAT III 600 V
True RMS	yes
Voltage AC DC Max	600 V
Current AC DC Max	10 A
Resistance Max	40 MOhm
Capacitance Max	10000 uF
Continuity	yes
Diode Test	yes
Display Counts Class	6000
Form Factor	handheld
Battery Powered	yes
Frequency Measurement Class	yes
Operating Temperature Class	industrial handheld
Input Protection	fused current inputs class
Auto Range	yes
Backlight	yes
Holster Compatible	yes
Series Family	Fluke 110 series
Measurement Category Standard	IEC 61010 class
Maximum Voltage To Earth Class	600 V
Weight Class	compact handheld
Manufacturer	per instrument faceplate branding
Operating temperature	Class: industrial handheld

115NIST Specifications

PARAMETER	VALUE
Fluke 115 Field Technicians Digital Multimeter	Overview
Continuity and diode test	Capacitance to 10000 uF
Technical Specifications	Safety Rating: CAT III 600 V

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: industrial handheld
Operating Temperature	Class: industrial handheld
Operating Temperature Class	industrial handheld
Input Protection	fused current inputs class
Auto Range	yes
Backlight	yes
Holster Compatible	yes
Series Family	Fluke 110 series
Measurement Category Standard	IEC 61010 class
Maximum Voltage To Earth Class	600 V
Weight Class	compact handheld
Manufacturer	per instrument faceplate branding Notes Numeric capability rows from Fluke official 115 vs 87V vs 3000 FC comparison table. Confirm full accuracy footnotes on the Fluke 115 datasheet for calibration.

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 III 600 V
True RMS	yes
Voltage AC DC Max	600 V
Current AC DC Max	10 A
Resistance Max	40 MOhm
Capacitance Max	10000 uF
Continuity	yes
Diode Test	yes
Display Counts Class	6000
Form Factor	handheld
Battery Powered	yes
Frequency Measurement Class	yes
Operating Temperature Class	industrial handheld
Input Protection	fused current inputs class
Auto Range	yes
Backlight	yes
Holster Compatible	yes
Series Family	Fluke 110 series
Measurement Category Standard	IEC 61010 class
Maximum Voltage To Earth Class	600 V
Weight Class	compact handheld
Manufacturer	per instrument faceplate branding
Notes	
Numeric capability rows from Fluke official 115 vs 87V vs 3000 FC comparison table. Confirm full accuracy footnotes on the Fluke 115 datasheet for calibration.	

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.