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Data Sheet

August 14, 2026

FLUKE

Fluke 28-II TRMS Industrial Multimeter with IP67 Rating

Fluke Industrial Test Equipment. Voltage: 0–1000 V AC/DC, Current: 0–10 A AC/DC (20 A for 30 seconds maximum), Bandwidth: 15 Hz to 20 kHz.



MODEL

Fluke 28-II

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

28-II

LISTING

<https://aumictechlabs.com/products/28-ii-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Fluke 28-II TRMS Industrial Multimeter delivers measurement precision and durability for demanding industrial troubleshooting and maintenance in harsh environments. IP67-rated construction provides complete protection against dust and water ingress, while the integrated 3-meter drop-tested holster and CAT IV 600 V / CAT III 1000 V safety ratings ensure reliable performance in hazardous electrical settings. MSHA approval qualifies this meter for mining environments. True-RMS AC voltage and current measurements accurately capture non-linear signals across an extended operational temperature range of -15°C to +55°C (with -40°C capability for up to 20 minutes) and 95% humidity. Technical Specifications Measurement Ranges: Voltage: 0–1000 V AC/DC Current: 0–10 A AC/DC (20 A for 30 seconds maximum) Resistance: 0–50 MΩ Capacitance: 1 nF to 9999 μF with 10,000 μF range Frequency: 0.5 Hz to 199.99 kHz Temperature: -200°C to +1090°C (Type-K thermocouple) Display and Accuracy: 20,000-count high-resolution mode; 6000-count standard mode AC voltage bandwidth: 15 Hz to

20 kHz True-RMS measurement on non-linear signals Power and Runtime: Three AA alkaline batteries Operating life: Up to 800 hours Two-level bright white backlight with backlit keypad Key Features Low-pass filter for accurate readings on adjustable speed motor drives and electrically noisy equipment Min/Max/Average recording with peak capture functionality Relative mode for eliminating test lead resistance in low-ohms measurements Continuity and diode test functions Built-in thermometer Withstands 8000 V transient spikes from load switching and fault conditions Typical Applications Industrial maintenance, motor drive diagnostics, electrical troubleshooting in mining operations, and field service work in moisture-rich or dusty environments. Compatibility & Integration Includes Type-K thermocouple for temperature measurement. Dimensions: 63.5 mm × 100 mm × 198.1 mm (with holster). Weight: 698.5 g (without holster).

28II Characteristics / Specifications

PARAMETER	VALUE
DC Voltage Range	0.1 mV to 1000 V
DC Voltage Accuracy	0.05% + 1
AC Voltage Range	0.1 mV to 1000 V
AC Voltage Accuracy	0.7% + 4
DC Current Range	0.1 uA to 10 A
DC Current Accuracy	0.2% + 4
AC Current Range	0.1 uA to 10 A
AC Current Accuracy	1.0% + 2
Resistance Range	0.1 ohm to 50 MΩ
Display Counts	6000
Capacitance Range	1 nF to 9999 uF
Frequency Range	0.5 Hz to 199.99 kHz
Temperature Range	-200 C to +1090 C
Low Pass Filter For VSD	Yes
Safety Compliance	CAT IV 600 V, CAT III 1000 V
IP Rating	IP 67
Battery Type	Three AA
Battery Life	800 hours
Peak Transient Capture	250 us
Operating Temperature	-15 C to +55 C (extended -40 C up to 20 minutes)
Humidity	to 95%
Drop Test	10 feet / 3 m with holster
Size With Holster HxWxL	6.35 × 10.0 x 19.81 cm
Weight With Holster	698.5 g (1.54 lb)
Warranty	Limited lifetime

PARAMETER	VALUE
Mine Safety	MSHA Approved

28II Specifications

PARAMETER	VALUE
Key Features	IP67 waterproof and dustproof sealed case
Designed to withstand 3 m (10 ft) drop with holster	Low-pass filter for accurate measurements on adjustable-speed drives
MSHA approval	Backlight and analog bar graph with Peak capture to 250 us
Technical Specifications	DC Voltage Range: 0.1 mV to 1000 V

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Weight With Holster	698.5 g (1.54 lb)
Warranty	Limited lifetime
Mine Safety	MSHA Approved Notes Specifications from Fluke 28 II official product page and rugged multimeter data sheet. Accuracies are ±(% of reading + counts) style best accuracies as published on Fluke specification tables.

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 list DC voltage accuracy 0.05% + 1, AC voltage 0.7% + 4, current to 10 A, resistance to 50 MΩ, frequency to 199.99 kHz, temperature -200 C to +1090 C, and VFD low-pass filtering.

Applications

Mining and outdoor industrial electrical work needing IP67 sealing, VFD/motor-drive voltage and frequency measurements, temperature troubleshooting, and general CAT IV field measurements where drop and water resistance matter.

Key Features

IP67 waterproof and dustproof sealed case

Designed to withstand 3 m (10 ft) drop with holster

Low-pass filter for accurate measurements on adjustable-speed drives

MSHA approval

Backlight and analog bar graph with Peak capture to 250 us

Technical Specifications

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Notes
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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.