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**Data Sheet**

August 14, 2026

FLUKE

## Fluke 27-II Industrial Multimeter with IP67 rating

The Fluke 27-II Industrial Multimeter is a rugged, waterproof, and dustproof multimeter designed for demanding industrial environments. It features an IP67 rating for protection against water and dust, a large display with backlight, and a wide range of measurement functions including voltage, current, resistance, capacitance, and frequency.



MODEL

**Fluke 27-II**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**27-II**

LISTING

<https://aumictechlabs.com/products/27-ii-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

### This unit

The Fluke 27-II Industrial Multimeter delivers precision measurement and field durability in a single instrument. IP67-rated and sealed against dust and water ingress, it withstands 3-meter drops with holster protection and operates reliably across harsh industrial, field service, and laboratory environments. The multimeter measures AC/DC voltage to 1000 V, AC/DC current to 10 A, resistance to 50 MΩ, capacitance to 10,000 μF, and frequency to 200 kHz. A large backlit display with 6000-count resolution and backlit keypad buttons ensures visibility in low-light conditions. Min/Max/Average recording captures signal variations automatically. Safety ratings include CAT IV 600 V and CAT III 1000 V overvoltage protection, IEC and ANSI compliance, and 8,000 volt spike withstand. Extended AC voltage bandwidth spans 40 Hz to 30 kHz; frequency measurement extends from 0.5 Hz to 199.99 kHz. Peak current handling reaches 20 A for 30

seconds. Operating temperature range is  $-15^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$ , with brief operation at  $-40^{\circ}\text{C}$ . The instrument runs on three AA batteries with 800-hour battery life and includes a reversible holster.

## 27II Characteristics / Specifications

| PARAMETER                  | VALUE                        |
|----------------------------|------------------------------|
| DC Voltage Range           | 0.1 mV to 1000 V             |
| DC Voltage Accuracy        | 0.1 percent plus 1           |
| AC Voltage Range           | 0.1 mV to 1000 V             |
| AC Voltage Accuracy        | 0.5 percent plus 3           |
| AC Voltage Bandwidth Class | 40 Hz to 30 kHz              |
| DC Current Range           | 0.1 uA to 10 A               |
| DC Current Accuracy        | 0.2 percent plus 4           |
| AC Current Range           | 0.1 uA to 10 A               |
| AC Current Accuracy        | 1.5 percent plus 2           |
| Current Overload Class     | 20 A for 30 seconds          |
| Resistance Range           | 0.1 ohm to 50 Mohm           |
| Capacitance Range          | 1 nF to 9999 uF              |
| Frequency Range            | 0.5 Hz to 199.99 kHz         |
| Display Counts             | 6000                         |
| True RMS                   | No average responding        |
| Low Pass Filter            | No                           |
| Temperature Measurement    | No                           |
| IP Rating                  | IP67                         |
| Drop Rating                | 3 m with holster             |
| Battery Life               | 800 hours                    |
| Battery Type               | Three AA IEC LR6             |
| Safety Rating              | CAT IV 600 V CAT III 1000 V  |
| Size With Holster HxWxL    | 6.35 cm x 10.0 cm x 19.81 cm |
| Weight With Holster        | 698.5 g                      |
| Operating Temperature      | -15 C to +55 C               |

| PARAMETER              | VALUE                   |
|------------------------|-------------------------|
| Peak Transient Capture | Not applicable on 27 II |
| Bandwidth              | Class: 40 Hz to 30 kHz  |

## 27II Specifications

| PARAMETER                                 | VALUE                                       |
|-------------------------------------------|---------------------------------------------|
| Key Features                              | IP67 waterproof and dustproof sealed design |
| Average responding AC voltage and current | 3 meter drop rating with holster            |
| Technical Specifications                  | DC Voltage Range: 0.1 mV to 1000 V          |

# General Specifications & Supplementary Characteristics

| PARAMETER              | VALUE                                                                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature  | 15 C to +55 C                                                                                                                                                                                                         |
| Operating Temperature  | 15 C to +55 C                                                                                                                                                                                                         |
| Peak Transient Capture | Not applicable on 27 II Notes From Fluke 27 II and 28 II Rugged IP67 Industrial Multimeters technical data. Accuracies are plus or minus (percent of reading plus counts) class values from the OEM comparison table. |

# 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.

technical data lists DC voltage accuracy 0.1 percent plus 1, AC voltage 0.5 percent plus 3, current to 10 A, resistance to 50 Mohm, capacitance to 9999 uF, and frequency to about 200 kHz.

Applications

Rugged plant floor and outdoor electrical troubleshooting, mining and MSHA-approved work environments, and average-responding voltage and current measurements where true-RMS is not required.

Key Features

IP67 waterproof and dustproof sealed design

Average responding AC voltage and current

3 meter drop rating with holster

Backlit keypad and two-level white backlight

MSHA approved

Technical Specifications

## Technical Specifications

| PARAMETER                  | VALUE                 |
|----------------------------|-----------------------|
| DC Voltage Range           | 0.1 mV to 1000 V      |
| DC Voltage Accuracy        | 0.1 percent plus 1    |
| AC Voltage Range           | 0.1 mV to 1000 V      |
| AC Voltage Accuracy        | 0.5 percent plus 3    |
| AC Voltage Bandwidth Class | 40 Hz to 30 kHz       |
| DC Current Range           | 0.1 uA to 10 A        |
| DC Current Accuracy        | 0.2 percent plus 4    |
| AC Current Range           | 0.1 uA to 10 A        |
| AC Current Accuracy        | 1.5 percent plus 2    |
| Current Overload Class     | 20 A for 30 seconds   |
| Resistance Range           | 0.1 ohm to 50 Mohm    |
| Capacitance Range          | 1 nF to 9999 uF       |
| Frequency Range            | 0.5 Hz to 199.99 kHz  |
| Display Counts             | 6000                  |
| True RMS                   | No average responding |
| Low Pass Filter            | No                    |
| Temperature Measurement    | No                    |
| IP Rating                  | IP67                  |
| Drop Rating                | 3 m with holster      |
| Battery Life               | 800 hours             |

| PARAMETER               | VALUE                        |
|-------------------------|------------------------------|
| Battery Type            | Three AA IEC LR6             |
| Safety Rating           | CAT IV 600 V CAT III 1000 V  |
| Size With Holster HxWxL | 6.35 cm x 10.0 cm x 19.81 cm |
| Weight With Holster     | 698.5 g                      |
| Operating Temperature   | -15 C to +55 C               |
| Peak Transient Capture  | Not applicable on 27 II      |

Notes  
From Fluke 27 II and 28 II Rugged IP67 Industrial Multimeters technical data. Accuracies are plus or minus (percent of reading plus counts) class values from the OEM comparison table.

### Available from Aumictech

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

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

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
30-day returns  
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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.