

TECHNICAL DATA

Fluke 27 II Rugged Digital Multimeter



Key features

- Measure up to 1000 V AC and DC
- Measure up to 10 A (20 A for 30 seconds)
- 10,000 μ F capacitance range
- Frequency to 200 kHz
- Extended AC voltage bandwidth – 40 Hz to 30 kHz
- Resistance, continuity and diode test
- Min/Max and average recording to capture variations automatically

Product overview: Fluke 27 II Rugged Digital Multimeter

The standard for rugged

The Fluke 27 II Digital Multimeter define a the standard for operating in harsh conditions with the features and accuracy to troubleshoot most electrical problems. Both meters have IP 67 (waterproof and dustproof) rating, MSHA approvals, extended operating temperature range of -15 °C to +55 °C (5 °F to 131 °F, -40 °C for up to 20 minutes) and 95% humidity, and have been designed and tested to withstand a 3 m (10 ft) drop. The Fluke 20 Series Multimeters are built to work in the toughest environments.

Specifications: Fluke 27 II Rugged Digital Multimeter

| Accuracy Specifications | | |
|-------------------------|---------------------------------|--|
| DC voltage | Range | 0.1 mV to 1000 V |
| | Accuracy | 0.1% + 1 |
| AC voltage | Range | 0.1 mV to 1000 V |
| | Accuracy | 0.5% + 3 |
| DC current | Range | 0.1 μ A to 10 A |
| | Accuracy | 0.2% + 4 |
| AC current | Range | 0.1 μ A to 10 A |
| | Accuracy | 1.5% + 2 |
| Resistance | Range | 0.1 Ω to 50 M Ω |
| Display counts | 6000 | |
| Capacitance | 1 nF to 9999 μ F | |
| Frequency | 0.5 Hz to 199.99 kHz | |
| Compliance | CAT IV 600 V , CAT III 1000V | |
| IP rating | IP 67 | |
| Power | Three AA batteries | |
| Battery life | 800 hours | |
| General Specifications | | |
| Display | Bar graph/backlight | Yes/Yes |
| Data storage | Min/Max/Avg | Yes |
| | Reading hold | Yes |
| Other features | Relative readings (zero) | Yes |
| | Battery type | Three AA batteries |
| Warranty and protection | Safety rating | CAT IV 600 V/CAT III 1000 V |
| | Mine safety | MSHA Approved |
| | External protection | Rubber holster |
| | Drop test | 10 feet drop test |
| | Dustproof/waterproof | Yes, IP 67 rated |
| | Warranty | Limited lifetime |
| | Size (H x W x L) with holster | 6.35 x 10.0 x 19.81 cm (2.5 x 3.93 x 7.8 in) |
| Weight with holster | 698.5 g (1.54 lb) | |

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