Rugged Multimeters: Fluke 27 II/28 II Industrial Multimeters

FLUKE ®

Features



- Measure up to 1000 V ac and dc
- Measure up to 10 A (20 A for 30 seconds)
- 10,000 µF capacitance range
- Frequency to 200 kHz
- Extended ac voltage bandwidth- 15 Hz to 20 kHz (28 II), 40 Hz to 30 kHz (27 II)
- Built in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument (28 II)
- Resistance, continuity and diode test
- Min/Max and average recording to capture variations automatically
- Peak min-max (28 II)
- Unique function for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment (28 II)

Features:

- New IP 67 waterproof & dustproof protection, completely sealed for use in harsh environments
- Designed to withstand 3 meter drop (with holster)
- Hi resolution 20,000 count display mode (28 II)
- True-rms ac voltage and current for accurate measurements on non linear signals (28 II)
- Average responding voltage and current for measurements (27 II)
- New Backlit keypad buttons allow for easy visibility in lowlit areas
- Large display digits and 2 level bright white backlight for increased visibility
- Reversible holster for added protection when not in use
- Withstands hazardous 8,000 volt spikes caused by load switching and faults on industrial circuits and complies with second edition IEC and ANSI electrical safety standards
- Long battery life (800 hours)
- · Relative mode to remove test lead resistance from low ohms measurements
- · Auto and manual ranging for maximum flexibility
- Optional magnetic hanger for easy setup and viewing while freeing your hands for other tasks
- MSHA approval









Shock and

Durable/ waterproof





Water and humidity





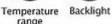














CAT III/ CAT IV rating



Specifications

| Accuracy specifications | | |
|---|---|--|
| DC voltage | Range 0.1 mV to 1000 V Accuracy 27-II:0.1 % +1 28-II:0.05 % + 1 | |
| AC voltage | Range 0.1 mV to 1000 V Accuracy 27-II: 0.5 % +3 28-II: 0.7 % +4 | |
| DC current | Range 0.1 μA to 10 A Accuracy 27-II: 0.2 % + 4 28-II: 0.2 % + 4 | |
| AC current | Range 0.1 µA to 10 A Accuracy 27-II: 1.5 % + 2 28-II: 1.0 % + 2 | |
| Resistance | Range 0.1 Ω to 50 M Ω | |
| Display counts | 27-II 6000 28-II 6000/19,999 | |
| Capacitance | 1 nF to 9999 μF | |
| Frequency | 0.5 Hz to 199.99 kHz | |
| Temperature | 27-II: N/A 28-II: -200 °C to +1090 °C | |
| Low pass filter (Measurement on VSD's) | 27-II: N/A 28-II: Yes | |
| Compliance | CAT IV 600 V , CAT III 1000V | |
| IP rating | 27-II: IP 67 28-II: IP 67 | |
| Power | Three AA batteries | |
| Battery life | 800 hours | |
| General specifications | | |

| General specifications | | | | |
|-------------------------|---|---|--|--|
| Display | Bar graph/backlight Yes/Yes | | | |
| Data storage | Peak transient capture 250 µS (28 II) Min/Max/Avg Yes Reading hold Yes | | | |
| Other features | Relative readings (zero) Yes Battery type Three AA batteries | | | |
| Warranty and protection | Safety rating Mine Safety External protection Drop test Dustproof/waterproof Warranty Size (HxWxL) with holster Weight with holster | CAT IV 600 V/CAT III 1000 V MSHA Approved Rubber holster 10 feet drop test Yes, IP 67 rated Limited lifetime 6.35 cm × 10.0 cm × 19.81 cm (2.5 in × 3.93 in × 7.8 in) 698.5 g (1.54 lb) | | |