TECHNICAL DATA

Fluke 28 II Rugged Digital Multimeter

Key features

- IP 67 waterproof & dustproof protection, completely sealed for use in harsh environments
- Designed to withstand 3 meter drop (with holster)
- Unique function for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment
- MSHA approval
- Limited lifetime warranty

Product overview: Fluke 28 II Rugged Digital Multimeter

The standard for rugged

The Fluke 28 II digital multimeter defines the standard for operating in harsh conditions with the features and accuracy to troubleshoot most electrical problems. The meter offers an 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 has been designed and tested to withstand a 3 m (10 ft) drop. The Fluke 28 II Rigged Digital Multimeter is built to work in the toughest environments.

Other key capabilities

- 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
- Built in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument
- Resistance, continuity and diode test
- Min/Max and average recording to capture variations automatically
- Peak min-max
- Hi resolution 20,000 count display mode
- True-rms ac voltage and current for accurate measurements on non linear signals
- Backlit keypad buttons allow for easy visibility in low-lit 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

Specifications: Fluke 28 II Rugged Digital Multimeter

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

Display	**Bar graph/backlight**	Yes/Yes
Data storage	**Peak transient capture**	250 µS
	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)

Ordering information

Fluke 28 II

Fluke 28 II Rugged Digital Multimeter

- TL75 test leads
- AC175 alligator clips
- 80BK-A type-K thermocouple leads

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