

# 27II / 28II Rugged IP67 Industrial Multimeters

FLUKE®

**New**



Fluke 27 II



Fluke 28 II



On all inputs



## Designed to survive water, dust and rough handling and yet troubleshoot most electrical problems

The NEW Fluke 27 II and 28 II digital multimeters define a new 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 (pending), extended operating temperature range of -15° C to + 55° C and 95% humidity, and a 3-meter drop. They withstand 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. Furthermore, the 28 II has a unique function for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment. The new Fluke 20 series multimeters are built to work in the toughest environments.

### Features

	27 II	28 II
IP 67 waterproof & dustproof protection	●	●
Withstands 3 meter drop (with holster)	●	●
True-RMS measurements		●
Digital display counts	6000	20000/6000
Bright, two-level backlight	●	●
Backlit keypad buttons	●	●
Reversible, rubber holster	●	●
Built-in thermometer		●
Resistance, continuity and diode test	●	●
Min/Max and average recording	●	●
Improved sleep mode for long battery life		●
Relative mode to remove test lead resistance from low ohms measurements	●	●
Auto and manual ranging	●	●
Safety rating	CAT III 1000 V CAT IV 600 V	CAT III 1000 V CAT IV 600 V

True RMS

### Specifications

Functions	Maximum	Max. Resolution	27 II	28 II
Voltage DC	1000 V	0.1 mV	±(0.1% + 1)	±(0.05% + 1)
Voltage AC	1000 V	0.1 mV	±(0.5% + 3)	±(0.7% + 4)
Current DC	10 A	0.1 µA	±(0.2% + 4)	±(0.2% + 4)
Current AC	10A	0.1 µA	±(1.5% + 2)	±(1.0% + 2)
Temperature				-200 °C to +1090 °C
Resistance			0.1 Ω to 50 MΩ	
Low pass filter (Measurement on VSD's)			yes	
Capacitance			1 nF to 9999 µF	
Frequency			0.5 Hz to 199.99 kHz	
Peak transient capture				250 µS

Accuracies are best accuracies for each function

**Battery Life:** 3x AA alkaline, 800 hrs typical  
**Size (HxWxD):** 198 x 100 x 63.5 mm

**Weight:** 0.75 kg  
**Lifetime Warranty**

### Included Accessories

TL 75 Test leads, AC 72 alligator clips, 80BK-A temperature probe (28 II), holster, manual, CD-ROM, three AA batteries (installed)

### Ordering Information

Fluke 27 II IP 67 Industrial Multimeter  
Fluke 28 II IP 67 True-RMS Industrial Multimeter

### Recommended Accessories



PV 350  
See page 113



i200  
See page 114



i410  
See page 115



80K-6  
See page 121