

# Fluke 27 totally sealed Digital Multimeter

**Completely sealed for use under extreme conditions. Mine Safety and Health Administration (MSHA) approved.**



A special case with o-rings prevents water from entering the input jacks, switches and fuse door. Use in wet or dusty locations. Meets military specifications for vibration, shock, and water resistance.

- Rugged, o-ring sealer case for use in wet or dusty conditions
- Operates under extreme conditions from -15 °C to +55 °C (5 °F to 131 °F) and 95 % relative humidity
- Wide 1000 V measurement range
- 10 Amps ac and dc
- Min/Max function captures major events
- Relative offset measurement to remove test lead resistance and to see small changes
- Resistance, continuity and diode test
- Analog bar graph
- Auto and manual ranging
- UL, CSA and MSHA approved

### Electrical safety

All inputs are protected to measurement Category III 1000 V. They can withstand transient impulses in excess of 8000 V assuring your protection from surges and spikes.



### Built for harsh environments

- Gaskets seal case from water and dust
- O-ring seals rotary switch
- Sealed input jacks
- Sealed battery and fuse door



## Specifications - 27 DMM

Function	Range and Resolution	Best Accuracy
VDC	320.0 mV, 3.200 V, 32.00 V, 320.0 V, 1000 V	± (0.1 % +1)
VAC	320.0 mV, 3.200 V, 32.00 V, 320.0 V, 1000 V	± (0.5 % +3)
ADC	320.0 µA, 3.200 mA, 32.00 mA, 320.0 mA, 10 A	± (0.75 % +2)
AAC	320.0 µA, 3.200 mA, 32.00 mA, 320.0 mA, 10 A	± (1.5 % +2)
Resistance	320 Ω, 3.200 kΩ, 32.00 kΩ, 320.0 kΩ, 3.200 MΩ, 32.00 MΩ	± (0.2 % +1)
Conductance	32.00 ns	+ (2 % +10)

**Battery life:** Typically more than 1000 hours (alkaline)  
**Size (LxWxD):** 20.3 mm x 9.5 mm x 5.6 mm (8 in x 3.75 in x 2.2 in)  
**Weight:** 0.75 kg (1.6 lb)  
**Limited lifetime warranty**

### Recommended accessories - 27 DMM



**C125**  
See page 44



**TL220**  
See page 39



**80TK**  
See page 43



**80I-400**  
See page 40



**80K-6**  
See page 39

### Included accessories

Every Fluke 27 meter comes packaged with TL75 test leads, alligator clips, 9 V battery (installed) and manual.

### Ordering information

Fluke-27YEL Multimeter