

27 Extra Rugged Analog/Digital Multimeter

Precision Performance in Rugged Handheld Design



The Fluke 27 combines accurate digital and analog measurement capability with extreme ruggedness and durability. It is totally sealed, tough enough to withstand water, contaminants, chemicals, accidental drops and severe electrical overloads.

- 3200-Count digital display for better accuracy and resolution
- 31-Segment analog bar graph for fast peaking, nulling zero adjustments and capacitor checking

- Fast autoranging (instantly selects proper range) and manual ranging
- Touch Hold® function (captures and locks the measurement)
- Rugged, O-ring sealed case for harsh working conditions
- Separate, sealed battery/fuse door
- Min/Max and Relative modes

Safety Conformance

All inputs are protected to EN61010-1 CAT III 1000V. UL and CSA listed.

Features

	27
Digital Display/Counts	3200
Analog Bar Graph/Segments	31
Fast Auto and Manual Ranging	●
Touch Hold®	●
Rugged, O-Ring Sealed Case	●
Separate, Sealed Battery/Fuse Door	●
Operates from -15°C to +55° and 95% Relative Humidity	●
Meets Military Shock, Vibration and Water Resistance Requirements	●
Min/Max Relative Mode	●
Audible Continuity/Diode Test	●
Superior EMI Shielding	●

LISTED



EN61010-1
1000V
CAT III

Lifetime Warranty!
Keep your Fluke meter up and running.
For 25, 25L, 40 & 40L Class 100V

Accessories and Ordering Information

Included Accessories

The 27 is packaged with a pair of safety designed TL75 right-angle test leads, two insulated alligator clips, spare fuse, 9 Volt battery and operator's manual.

Optional Accessories

See Accessories Compatibility Guide on pages 34-42

Ordering Information

FLUKE 27 YEL Multimeter (yellow case)

Specifications

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

Range & Resolution: If selected range is 3.200V the resolution is 0.001V in that range

Battery Life: Typically over 1000 hours (alkaline)

Size (HxWxD): 203 mm x 95 mm x 56 mm

Weight: 0.75 kg

Lifetime Warranty