

FLUKE.



Model 87 III

Introducing the new and improved Fluke 80 Series III digital multimeters

The most versatile meters on the market just got better. Since their introduction, Fluke 80 Series digital multimeters (DMMs) have led the industry in versatile performance, accuracy, and rugged durability. Now the new Fluke 80 Series III DMMs push that lead even further. With a host of new features that increase accuracy, improve safety, and make the 80 Series III easier than ever to use. Look at everything the new 80 Series III has to offer:

- An LED backlight on all models for easier reading under virtually any light conditions
- New LCD display with larger digits and better viewing angle for easy reading from a distance
- 4 1/2-digit resolution to detect subtle changes
- MIN/MAX to record the minimum, maximum, and average reading over time. The 87 III and 87/E now offer 25 μ S peak MIN/MAX for true peak transient capture
- Significantly improved basic dc accuracy on all models
- CAT III 1000V safety rated to withstand overvoltage transients up to 8 kV
- Battery access door that enables changing batteries without breaking the calibration seal
- Alligator clips
- Lifetime warranty

Features at a glance

- Digital Display
- 4,000 count, 20,000 count in high-resolution mode
- Analog Display
- 32 Seg Pointer
- True-rms
- Touch Hold
- Fused Current Inputs
- Continuity
- MIN/MAX Mode
- Peak MIN/MAX - 250 μ Sec
- Relative Mode
- Diode Test
- Sleep Mode - 30 minutes
- IEC 61010 Rating - CATIII-1000V
- Battery access door that enables changing batteries without breaking the calibration seal.

Safety Features

What the IEC 1010-1 safety standard means to you

As electrical systems grow more and more complex, spikes, transients, surges, and sudden overvoltage events become more common. These can trigger a sequence of events that may lead to serious injury. Which is why test equipment must be designed to protect people who work in this high-voltage high-current environment.

The IEC 1010 safety standard was established to define four overvoltage categories (CAT I, CAT II, CAT III, and CAT IV) based on the magnitude of danger from transient impulses.

The new Fluke 80 Series III DMMs feature enhanced protection to IEC 61010 overvoltage category III. This helps protect from transients in three-phase distribution systems, including:

- Single-phase commercial lighting.
- Equipment in fixed installations, such as switch gear and polyphase motors.
- Bus and feeder in industrial plants.
- Lighting systems in larger buildings.
- Appliance outlets with short connections to the service entrance.