

149-10A

HIGH VOLTAGE DIGITALMETER



AC/DC 10kV
Input Impedance 1000MΩ
Compact, Lightweight

Outline

The 149-10A is a digital voltmeter that can measure high voltages up to a 10kV AC and DC at high accuracy. Its high input impedance (1000MΩ) makes it suitable for measurement of high impedance voltage circuits. Since it has a high accuracy despite its small size and light weight, it can also be easily used as a portable calibrator.

Features

- Measures high voltages (AC/DC) up to 10kV
- Large 4 1/2 digits LED display
- High measurement accuracy and high input impedance
- Light weight and compact design
- For output voltage calibration of withstanding voltage testers and insulation testers

Specifications

- DC voltage
 - Measurement range 0.500 to 10.000kV
 - Accuracy $\pm(0.5\% \text{ rdg} + 0.03\% \text{ range})$
 - Maximum allowable input voltage
 - DC: $\pm 14\text{kV}$
 - Pulse: 15kV peak
- AC voltage
 - Measurement range 0.500 to 10.000kV
 - Accuracy $\pm(1\% \text{ rdg} + 0.05\% \text{ range})$
 - Maximum allowable input voltage
 - 11kVrms (sine wave 50 to 60Hz)
 - Pulse: 15kV peak
- Display
 - LED, 7 segments
- Voltmeter type
 - Double integration
 - AC: Average value response, sine wave value calibration
 - 3 sampling/s
- Input impedance 1000MΩ $\pm 2\%$
- Power requirement 100VAC $\pm 10\%$, 50/60Hz*
- Power consumption Approx. 10VA
- Dimensions (MAX) 134W \times 164H \times 270D mm (140W \times 189H \times 350D mm)
- Weight Approx. 3kg
- Accessories
 - High voltage test lead (TL05-TOS) \times 1
 - High voltage coaxial cable (HTL-2.5DH) \times 1

* Nominal voltages of 110V, 120V, 220V, 230V and 240V available as factory options.