

149-10A

HIGH VOLTAGE DIGITALMETER



AC/DC 10kV
Input Impedance 1000M Ω
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 (1000M Ω) 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 $\frac{1}{2}$ 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	1000M $\Omega \pm 2\%$
■ 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.