

149-30A

HIGH VOLTAGE DIGITALMETER



DC $\pm 30\text{kV}$
Input Impedance $1000\text{M}\Omega$

Outline

The 149-30A is a DC high voltage voltmeter that accurately measures and digitally displays high voltages up to $\pm 30\text{kV}$. Its high input impedance ($1000\text{M}\Omega$) makes it suitable for voltage measurements of high impedance DC high voltage power supplies. Since it has a high accuracy despite its small size and light weight, it can be easily used as a portable calibrator.

Features

- Measures high voltages (DC) up to 30kV
- High input impedance

Specifications

■ Measurement range	DC $\pm(0.50$ to $30.00)\text{kV}$
■ Accuracy	$\pm(0.5\%$ rdg + 2 digits)
■ Display	LED, 7 segments
■ Voltmeter system	Double integration, 3 samplings/s
■ Input impedance	$1000\text{M}\Omega \pm 2\%$
■ Maximum allowable input voltage	DC: $\pm 33\text{kV}$ Pulse: 40kV peak
■ Power requirement	$100\text{VAC} \pm 10\%$, 50/60Hz*
■ Power consumption	Approx. 7VA
■ Weight	Approx. 7.5kg
■ Dimensions (MAX)	$203\text{W} \times 273\text{H} \times 313\text{D}$ mm ($210\text{W} \times 305\text{H} \times 385\text{D}$ mm)
■ Accessories	Input terminal cover $\times 1$ Allen wrench $\times 1$

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