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

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