

## ES105 High-Impedance High-Voltage Meter



### 1. Description

ES105 is a high performance and cost effective high-impedance high-voltage meter. It features significantly high input impedance (greater or equal to 100 G Ohm), high accuracy and high resolution measurement, and a wide measurement range (DC 0-100kV).

### 2. Features

- High input impedance
- Wide measurement
- High accuracy and resolution
- Portable with large LCD/LED display
- Battery or AC supply
- Measure DC up to 100kV

### 3. Applications

- High voltage measurement
- Electrostatic voltage measurement
- ESD generator/simulator, electrostatic voltmeter calibration

## 4. Specifications

### Standard Model ES105-100

Specification	Parameters
Measurement range	DC $\pm 1V \sim 100$ kV (Auto ranging 1 $\sim 19,999$ V and 10 $\sim 100,000V$ )
Measurement Resolution	1V for low range and 10 V for high range
Measurement Accuracy	$\pm 1\% \pm 2$ counts
Input Impedance	$\geq 100$ G Ohm
Display	4 $\frac{1}{2}$ Digit LCD
Power	AC 100-240 V or 9V Battery
Working Temperature	32 to 122°F (0 to +50°C)
Working Humidity	0 to 70% RH
Dimension	0 $\times$ 15 $\times$ 50 cm (7.85 $\times$ 5.91 $\times$ 19.68 inch)
Weight	2 kg (4.41 lb)

### Optional Accessories

Part Number	Description
ES105-HVW	High voltage wire with one side connector for ES105

## 5. Ordering Information

Part # or Option #	Description
ES105-100	Model ES105-100 High-Impedance High-Voltage Meter with $R_{in} \geq 100$ G Ohm
ES105-HVW	High voltage wire with one side connector for ES105