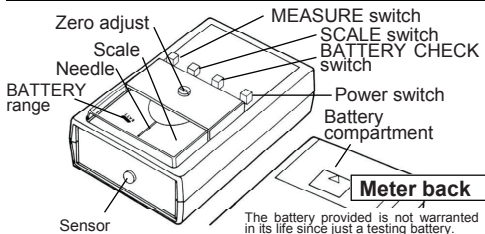


# Z-201

## STATIC VOLT METER

### Identification of parts





### Specifications


Meter range	× 1 range -1kV to +1kV × 5 range -5kV to +5kV
Measuring distance	25 mm (from meter sensor to object)
Accuracy	± 10% of reading
Battery type	Duracell MN 1604 or equivalent (9V)
Battery life	40 hours (continuous use)
Dimensions	61(W) × 31(H) × 97(D)mm
Weight	100g (with battery)

## Warning and caution symbols

These symbols are used throughout the instruction manual to alert the user to potential safety hazards as follows :

 **Warning** ... Notice when incorrect handling could cause the user's death or serious injury.

 **Caution** ... Notice when incorrect handling could cause injury to the user or material damage.

Even if the instructions do not have  **Caution** mark, there are some possibilities for a serious situation. Follow the instructions.

## Precautions

### **Caution**

1. If the meter pegs, stop measuring. The meter coil could be damaged.
2. Avoid contact of the meter sensor with any charged material. Such contact could damage the meter.
3. Be sure to press the POWER switch off when not using the meter so as to prolong battery life. The meter consumes the battery when the POWER switch is on even though the MEASURE switch is not depressed.
4. This unit has an analog meter for measuring even slight electrification.  
Electrification of this unit itself could affect the meter needle. If recognize swinging of the needle or feel an unusualness in the measuring result, discharge the static electricity of this unit by appropriate equipment.

## Preparation

- 1 Install a 9V dry cell battery in the battery compartment. Securely connect the battery electrodes with the sockets.

## Preparation

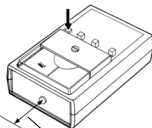
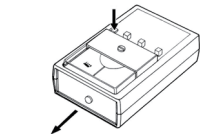
- 2** Press the POWER switch to on. Then press the BATT CHECK switch. The needle should register in the "BATT" range while pressing the BATT CHECK switch. If the needle does not reach the "BATT" range, replace the battery with new one.

Adjust the zero screw if necessary to zero the meter, gently, little by little using a screwdriver.



## Operation

- 1** Hold the meter away from the object to be measured and press the MEASURE switch. Then, while pressing the MEASURE switch, move the meter to the proper measuring distance (about 25 mm).



Test sample

25 mm

The needle should register the electric potential of static electricity with which the object is charged.

For re-measuring, move the meter away, then again press the MEASURE switch and move the meter to the proper measuring distance (the meter judges that it's zero V in the atmosphere when the MEASURE switch is depressed).

# Operation



## Caution

Avoid contact of the meter sensor with any charged material. Such contact could damage the meter.

- 2** Use the 1 kV range (“OFF” position of the SCALE switch) to measure low static voltage, and the X5 range (“ON” position of the SCALE switch) to measure large static voltage.



- 3** Press the POWER switch to off after completing measurement. The meter consumes the battery when the POWER switch is on even though the MEASURE switch is not depressed.



## Caution

Carry out periodic calibration and inspection to maintain accurate measurement.

**HOZAN TOOL INDUSTRIAL CO.,LTD.**

1-2-12 Saiwaicho, Naniwa-ku, Osaka 556-0021, Japan  
<https://www.hozan.co.jp/E/> E-mail: [th@hozan.co.jp](mailto:th@hozan.co.jp)