

Order Code : 20213535.3

Name : High Voltage Detector

Length: From 230mm to 880mm, Weight: Approx. 155g.

They are easy to handle and handy to carry

- **High-voltage detectable**

The equipment, whether in stretched state is available for voltage detection in high-tension (3.3kV, 6.6kV and 24kV) whether the wires involved are naked or insulated

- **Low-voltage detectable**

The equipment can be used for voltage detection in low-tension circuits (80V ~ 600V) by holding the nameplate portion of the detecting head. Before use check, can easily be done by plugging in an AC 100V plug socket, without using a tester

- **Easy to recognize indication**

Intermittent lighting in red of a high intensity light-emitting diode and intermittent audible sound of an electronic buzzer are readily recognizable at a full daylight, noisy location

- **Water proof**

The detecting head, being tightly enclosed, is free from any trouble due to dust, water or the like.

- Meets EN61010-1, EN5008-1, EN55082-1, EN55022, EN61000-4-2, EN61000-4-3

- **Construction :**

Waterproof (Detecting head impervious to water)

- **Insulation resistance :**

Measure the insulation resistance with the high voltage insulation tester.

The areas we measure are the same as Dielectric strength test.

- (a) Between Sensing tip ~ Grip portion : 1kV

(The detector has to be stretched)

The insulation resistance has to be more than 2000 MΩ

- (b) Between Sensing tip ~ Nameplate portion : 1kV

The insulation resistance has to be more than 2000 MΩ.

- **Leakage Current Test :**

Put high voltage on the parts listed below :

- (a) Between Sensing tip ~ Grip portion : 50kV AC, 1 min

(The detector has to be stretched)

The leakage current has to be 100 uA or less than 100 uA.

- (b) Between Sensing tip ~ Nameplate portion : 4kV AC, 1 min.

The leakage current has to be 100 uA or less than 100 uA

- **Working temperature range :** -10°C ~ + 50°C

- **Battery :** 2 button-cells LR44 (1.5V)



RATINGS AND SPECIFICATIONS

- **Working Voltage Range:**

H.V.: 3kV~24kV AC... hold grip portion to detect

L.V. : 80V~600V AC... hold nameplate portion to detect

- **Frequency :** 50 Hz / 60 Hz

- **Operation Test : (Initial voltage)**

(a) When stretched, hold the grip portion. Put the sensing tip in contact with the voltage : 250V, AC ± 50V the LED and buzzer should work.

(b) When retracted, hold the nameplate portion. Put the sensing tip in contact with the voltage : 80V, AC or below the LED and buzzer should work.

- **Operation start distance :**

Distance at which operation starts when front metal is brought near φ 5mm O.C. wire with grip portion held by hand.

Where 24kV / φ3mm (voltage to ground)... abt 20 cm

Where 6.6kV / φ3mm (voltage to ground)... abt 3 cm

Where 3.3kV / φ3mm (voltage to ground)... abt 1 cm

- **Dielectric Strength :**

(a) Between Sensing tip ~ Grip portion : 50kV AC, 1 min (The detector has to be stretched)

(b) Between Sensing tip ~ Nameplate portion : 4kV AC, 1 min.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

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