High Voltage Detector Non-contact or Contact 80V to 35KV

Model: 9035KB

This Model 9035KB detects the presence of voltage in AC lines. An elongate insulation rod permits checking of high tension circuits at safe distance for voltage. The equipment is compact, light weight, and easy to handle,and is also available for voltage detection in low-tension circuits.

Features:

- **Telescopic, compact, light-weight**

The length is elastic from 230mm to 880mm,The Equipment is light-weight (140g), easy to handle, and handy to carry.

- **Non-contact high-voltage detection**

The equipment, whether in stretched state is available for voltage detection in high tension circuits (1.0kV ~ 35kV) whether the wires involved are naked or insulated.

- **Low-voltage detectable**

The equipment can be used for voltage detection in low-tension circuits (80V ~ 1.0kV) by holding the nameplate portion of the detecting head. Before-use check can easily be done by plugging in an AC 230V plug socket,without using a tester.

- **Easy to recognize indication**

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

- **Waterproof**

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

Scope of Supply:

1 pc High Voltage Detector 9035KB
1 pc button-cells CR2032(3.0V)
1 pc Leather goods package
1 pc Metal hook
1 pc Instruction Manual

Technical Data:

Working voltage range:
H.V. : 3kV~35kV AC..... hold grip portion to detect.
M.V. : 1kV~3kV AC..... hold grip portion to detect.
L.V. : 80V~1KV AC..... hold nameplate portion to detect.
Frequency: 50Hz / 60Hz
Operation Test : (Initial voltage)
(a)When stretched, hold the grip portion. Put the sensing tip in contact with the voltage : 230V AC ±0V 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 Ø5mm O.C. wire with grip portion meld by hand.
Where 35kV / Ø3mm(voltage to ground) .....abt 20cm.
Where 6.0kV / Ø3mm (voltage to ground) .....abt 3cm.
Where 3.0kV / Ø3mm (voltage to ground) .....abt 1cm.
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, 1min.
Construction:
Waterproof (detecting head impervious to water).
Insulation resistance:
(a)Between Sensing tip ~ Grip portion : 1kV (The detector has to be stretched)
The insulation resistance ＞2000 MΩ
(b) Between Sensing tip ~ Nameplate portion : 1kV The insulation resistance ＞2000 MΩ
Leakage Current Test:
(a) Between Sensing tip ~ Grip portion : 50kV AC,1 min (The detector has to be stretched),The leakage current ≤100 uA
(b) Between Sensing tip~Nameplate portion : 4kV AC,1min. The leakage current ≤100 uA.
Working temperature range: -10°C ~ 50°C
Battery: 1 button-cells CR2032(3.0V)
Case Dimensions /Weight: 300 x 70 x 70 mm / 500g
Meets: EN 61010-1/EN 50081-1 /EN 55082-1
/EN 55022/EN61000-4-2/EN 61000-4-3

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