

HIGH VOLTAGE DETECTOR

**Model 230HD - 36.5KV /
290HD - 81.5KV**



230HD

290HD

**Carrying
case**

The detector detects high and extra high voltage in AC lines. An elongated insulated rod permits checking of high tension circuits at safe distance for live voltage. Also it is telescopic compact, light-weight, easy to use and handy.

SPECIAL FEATURES :

- Telescopic, Compact, light-weight, Easy to use.
- High-voltage detection in high tension circuits.
- Easy to recognize indications
Intermittent lighting in RED of a high intensity light emitting diode and intermittent audible sound of an electronic buzzer are easy recognizable in full daylight, noisy location.
- Water proof
The detecting head, being tightly enclosed, is free from any trouble due to dust, water.

GENERAL SPECIFICATIONS :

- * **Display :** Light : Flashing red light; Sound : intermittent sound 50dB apart 3m.
- * **Overall length :**
 - Model 230HD :** Retracted : 893 ± 50mm ; Extracted : 1520 ± 50mm.
 - Model 290HD :** Retracted : 1370 ± 50mm ; Extracted : 2450 ± 50mm.
- * **Operating Temperature :** -10°C ~ 50°C
- * **Storage Temperature :** -20°C ~ 60°C
- * **Construction :** Water proof (detecting head impervious to water)
- * **Battery :** 2 button cells Lr44 (1.5V)
- * **Weight :** Model 230HD-Approx. 485g. Model 290HD - Approx. 590g.(including Battery)

SAFETY :

- IEC / EN61243-1, 60068-2-6, 60068-2-32, 60068-2-14
- Water proof (detecting head impervious to water)

ACCESSORIES :

Instruction manual & Carrying Case.

ELECTRICAL SPECIFICATIONS : 230HD / 290HD

Measuring Voltage range	Model 230HD - 6kV ~ 36.5kV Model 290HD - 6kV ~ 81.5kV
Operating start Voltage (to ground)	2.7kV
Frequency	50/60Hz
Withstand Voltage (On insulating rod)	100kV / 300mm : 5 minutes
Insulation Resistance	2000M min by 1kV / DC megger at the same testing location as withstand voltage
Leakage Current	100 A at withstand voltage test

Distance & Voltage Chart for 230HD / 290HD

230HD		290HD	
Distance	Voltage	Distance	Voltage
10 cm	36 KV	48 cm	81.5 KV
5 cm	25 KV	28 cm	60 KV
2 cm	15 KV	8 cm	30 KV
Upto 11KV	By contact method	Upto 11KV	By contact method

All Specifications are subject to change without prior notice