



High Voltage Detector **HV-50P** (Non Contact Type)

FEATURES

- Designed for 230V to 33KV AC 50 HZ overhead lines in Switch yards, Transmissions lines, Power Plants and similar installations.
- Supplied as a complete Kit with HV Detector Probe, Telescopic Insulation stick and ergonomically designed sturdy Carry bag.
- Indicates the presence of HIGH VOLTAGE by audio as well as visual annunciation.
- Bright high intensity RED LED'S provide clear visual indication even in unfavorable daylight conditions. A buzzer produces a loud beep which is audible even in loud noisy backgrounds.
- TEST button to test battery and proper functioning of HV detector.

INTRODUCTION :

The High voltage Detector HV-50P is a SAFETY DEVICE used to verify that the overhead line is not LIVE prior to earthing . It is suitable for 11KV/33KV supply lines. This product is also designed for detecting high voltage presence / absence at panel bus bars. It is powered by a single 9V battery. The HV Detector is continuous monitoring type i.e. the internal circuit of the equipment is continuously powered by the battery and it keeps monitoring the voltage level at the contact electrode. As soon as the voltage at the contact electrode exceeds minimum user defined voltage level, the HV Detector starts annunciation with flashing Red LEDs and buzzer beeps indicating that the line is LIVE and not safe to earth.

GENERAL SPECIFICATIONS

• HIGH VOLTAGE INDICATION :

RED LEDs start flashing with an audible buzzer when the voltage at the content electrode exceeds minimum user defined voltage.

• TEST VOLTAGE RANGE :

Standard : 230V to 33 KV, 50Hz AC (for HV 50P)

• ELECTRICAL SPECIFICATIONS :

Insulation Resistance : Greater Than 100M Ohms by 1 KV I.R. Tester.

Dielectric Strength : 220KV AC, 50Hz of complete assembly

Drop Test : The Voltage Detector is dropped from horizontal and vertical positions from a height of 1m on to a test surface of concrete..

• POWER SPECIFICATIONS :

Current Consumption : 30mA maximum

Battery Low : 7.2 V Nominal

Battery : 9V / Battery type 6F22 or equivalent

Visual Indication : High Bright LEDs flashing

Audible Indication : Buzzer beeps Loudly

• UNIVERSAL LINK:

Material : Glass Filled Nylon

Length : 95mm Approx.

• INSULATED STICK :

Material : Fibre Glass (Study & Rugged)

Length : Extendable length 1.2m or 3m

Weight : 2Kg approx. (Telescopic Insulated Stick)

• PHYSICAL SPECIFICATIONS :

Length : 245mm Approx.

Diameter : 105mm Approx.

Weight : 500gm (HV-50P)

• ENVIRONMENTAL SPECIFICATIONS :

Temperature Range : 5°C to 50°C

Humidity : < 85% RH non-condensing

Storage Temperature : 10°C to 60°C, <85% RH non-condensing Range



we have a solution....

DBS/PC/HV-08/Rev-02

NOTES

1.The Instrument is accompanied with Test & calibration sheet. 2.Test Facilities can be provided at the factory with the available test set-ups only. 3.The Company's policy is continuous improvement of its products. we therefore reserve the Right of any deviation from illustration or specifications without notice. 4.Stated accuracies are valid from 1/10th of range to FS. 5.Accuracy Specified for temperature range of 25°C ± 5°C & 55%RH ± 10%.



The Motwane Manufacturing Company Pvt. Ltd.

REGD. OFF. & FACTORY : Gyan Baug, Motwane Road, Nashik Road-422101

Tel.: +91 - 253 - 2463752 / 53 Fax.: +91 - 253 - 2463197 e-mail: sales@motwane.com Toll Free No.:18002337766

MUMBAI : 223-224, MIDAS, Sahar Plaza, Andheri - Kurla road, J. B. Nagar, Andheri (E), Mumbai – 400059

TEL: +91-22-40155585 / 6 / 7 FAX: +91-22-40155588 e-mail: mumbai@motwane.com

DELHI : 2 D, 2nd Floor, Vandana Building, 11, Tolstoy Marg, Cannaught Place, New Delhi - 110 001

Tel.: +91 - 11 - 41522 105 Fax.: +91 - 11 - 41522 106 e-mail: delhi@motwane.com

BANGALORE : #8 / 12, 3rd Floor, Honnam Complex, South Cross Road, Basavanagudi, Bangalore - 560 004.

Tel.: +91 - 80 - 26611323 Fax.: +91 - 80 - 26621186. e-mail: bangalore@motwane.com

KOLKATA OFFICE : Eden Terrace , 10 , Tarak Datta Road, Near Beck Bagan Methai, Kolkata – 700019.

Tele Fax : +91-33-22832436. FCT Land Line : +91-9007791374. E-mail:Kolkata@motwane.com



To make enquiry please visit
www.motwane.com and click
'Make an enquiry'.

Represented by