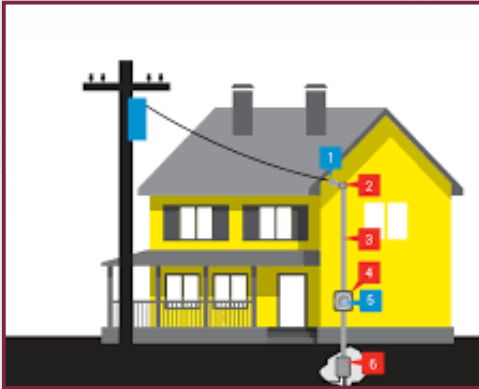


VOLTRACK

NON CONTACT HIGH VOLTAGE AND INDUCED VOLTAGE DETECTOR

WITH BLUETOOTH AND REMOTE MONITORING



LOW VOLTAGE
230V to 11kV



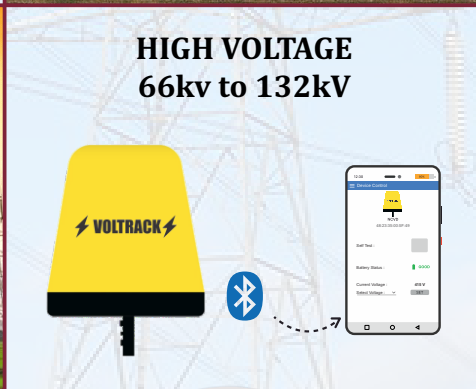
MEDIUM VOLTAGE
11kv to 66kV



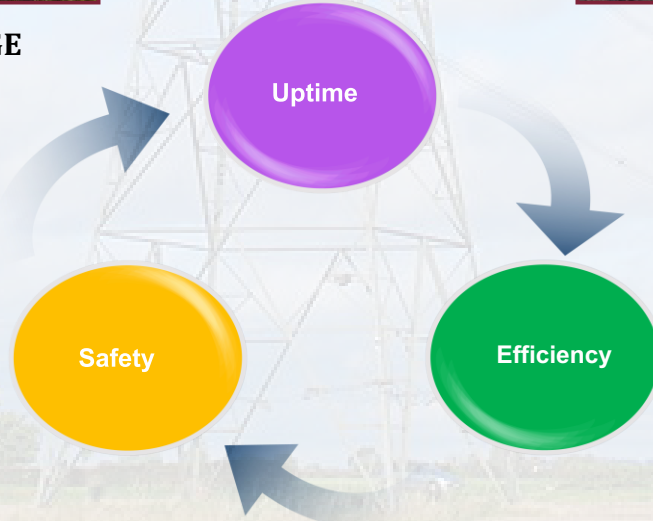
HIGH VOLTAGE
66kv to 132kV



EXTRA HIGH VOLTAGE
132kv to 400kV



ULTRA HIGH VOLTAGE
400kv to 765kV



Version - 04

MODEL : VOLTRACK



NON-CONTACT HIGH VOLTAGE DETECTOR

AC VOLTAGE AND INDUCED VOLTAGE DETECTION

VOLTRACK is a variable non-contact voltage detector, A proximity device which detects the presence of an alternating electric or electromagnetic field. It is used by industry professionals for live or dead voltage determination, of outdoor overhead or underground at URD test points. A proximity device to determine live or dead situations and then as a touch device to verify the source has physically reached the zero AC field. This is the only equipment capable of testing all voltage from AC 415V to 765kV from a distance, beyond arcing zone.

Key functions

- Detection of Voltage presence on Overhead Power line.
- Detection of Voltage presence in underground cable at URD test point.
- 2 in 1 function. Can also be used to detect level of induction voltage present in the uncharged line.
- Unique variable AC voltage ranges, detection from beyond arcing zone.
- High Intensity flashing Light & Buzzer Indication
- Sensitivity Adjustment (Both Manual & Bluetooth)
- Suitable for Indoor & Outdoor Operation
- Automatic Continuous Inbuilt Self Check function
- Universal Sunrise Connector
- Type Tested from CPRI as per IEC Standards.
- Wide Voltage source ranging from 230 V to 765kV AC.
- Continuous self-testing signal to avoid ambiguity.
- Model T5 and D5 are available for Transmission and Distribution respectively.

APPLICATIONS OF NON CONTACT VOLTAGE DETECTOR

SUBSTATION

High Voltage Detector is designed to detect live/Induction voltage presence on overhead line (bare conductor), busbars, Isolators & other Electrical apparatus in live switchyard.

The High Voltage Detector Probe having unique capability to warn the user of the presence of high voltage from a safe distance and must be exceptionally sensitive. This equipment is constructed in such a way so as to avoid any danger to the operating personnel during use and under normal conditions.



POWER LINE

Non-Contact High Voltage Detectors are used in Power Line routine O&M maintenance & safety practices to ascertain the zero-voltage presence on the Overhead line before starting the maintenance works.

Taurus Non-Contact Voltage detector is designed to detect any AC live voltage and electromagnetic/Induced voltage presence on Overhead Transmission Lines from 415V to 765kV level.

Non-Contact Voltage detector comes with a universal Hot stick to be able to connect with ease.

A wide range of voltage selector switch, helps user to confirm the level of the Induced voltage presence after switching off the Line.



TEST USING VOLTRACK

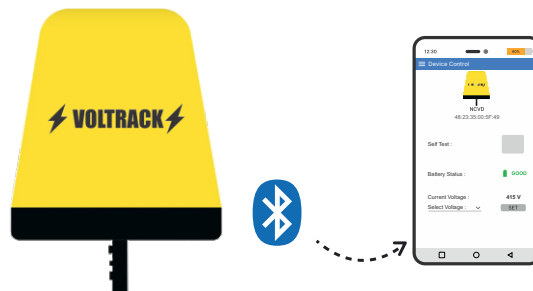
USAGE

The VOLTRACK can be attached to an insulation stick (Hot Stick-Triangular). This increases range and minimal safe distances that are required for high voltages. To attach a VOLTRACK to an insulation stick, attach to the head of the stick using the sunrise (universal) fitting and secure tightly at the angle required

1. Hold the unit in the hand by the handle below the sunrise fitting.
2. Turn the unit on to the 230volt switch setting (the first switch setting). This will allow for the most sensitive voltage detection.
3. Listen and watch for the Self Testing function which will start automatically.
4. To Verify the tester using outside influences:
 - Place the tester against live power outlet or equivalent above 230 volts AC.
 - Use the VOLTRACK to test the activation of the unit on the 230 volt setting.
5. Hold the top side to the power source under test, a continuous tone will be heard indicating live voltage.
6. If a tone is not heard at this point on the 230V setting move the tester closer to the conductor under test.



VOLTRACK WITH BLUETOOTH AND REMOTE MONITORING



VOLTRACK is a safety device designed to Detect any AC voltage and Induced voltage presence on live conductor from 415V to 765kV AC 50Hz overhead Power lines in HV and EHV switch yards, Distribution lines, Transmission Lines and Power plants.

Bluetooth Enabled : Comes with Bluetooth connectivity to your phone. Adjust voltage levels effortlessly and receive data on a handheld mobile from the ground.

Remote Monitoring: Supervisors can remotely monitor voltage presence through the software, for efficient oversight.

SPECIFICATIONS

- Current Consumption : Less than 25mA for Max Selection
- Low Battery Voltage : <5V
- Battery Low Indication : Available with Separate LED Indication
- Battery Type : 9V Rechargeable
- Visual Indication : LED
- Audible Indication : Buzzer
- Operating Temperature : 0°C ~ 55°C
- Humidity : 95% R.H. @ 40°C
- Storage Temperature : -10°C ~ 50°C
- Insulation Resistance : 500MΩ/kV
- Dielectric Strength : upto 800kV AC, 50Hz
- Type of Sensor : Proximity
- Self Test Function : Automatic & Continuous
- Universal Link : Glass filled Nylon
- Selectable Test Voltage Range : From 415V to 765kV
(Model: VOLTRACK)
(415V-1.1kV-3.3 kV-6.5kV-11kV-22kV-33kV-66kV-110kV-220kV-400kV-765kV)
- Length of the Link : 95mm
- Length of Insulated Stick : 5/7m when fully expanded
(Model: VOLTRACK)
- NCVD user application : Operation & Control of NCVD through Bluetooth application
- NCVD supervisor application : Live monitoring of multiple NCVD user data
- Dimension : 145mm (L) x 105 mm(W)
- Diameter : 65mm
- Weight - Device : 250 gms
- Weight - Telescopic Rod : 3kg for 5m & 5kg for 7m
- IP Rating : IP 54
- Proximity Detection-Induced Voltage : Available with separate voltage selection steps

CAPABLE OF DETECTING FROM SAFE DISTANCE :

HV Line Voltage	Safe Detection Distance in meters
765 kV	5
400 kV	4
220 kV	2
132 kV	1
66 kV	1
33 kV	0.5
25 kV	0.5
11 kV	0.2
6.6 kV	0.2
3.3kV	0.15
1.1kV	0.1
230 V	0.05

HOT STICK SELECTION - OPTIONAL (GROUND OPERABLE WITH TIP LOCK) MAKE : UTILITY SOLUTIONS USA/SOLUCAO, Brazil



SIZE		CLOSED LENGTH	NO. OF SECTIONS	WEIGHT
55 FT.	16.8 m	69.5"	12	25 lbs 4 oz
50 FT.	15.2 m	68"	11	20 lbs
45 FT.	13.7 m	66"	10	16 lbs 8 oz
40 FT.	12.2 m	65"	9	13 lbs 8 oz
35 FT.	10.6 m	63"	8	11 lbs
30 FT.	9.1 m	62"	7	8 lbs 14 oz
25 FT.	7.6 m	60"	6	6 lbs 14 oz
20 FT.	6.2 m	58"	5	5 lbs 3 oz
16 FT.	4.9 m	56"	4	4 lbs

HOT STICK SELECTION - OPTIONAL (GROUND OPERABLE WITH TIP LOCK) MADE IN INDIA



SIZE		RATED UP TO	NO. OF SECTIONS	WEIGHT
23 FT.	7 m	765 kV	4	5 kg
23 FT.	7 m	400 kV	4	5 kg
16 FT.	5 m	66 kV	3	3 kg



Innovative Technologies
An ISO 9001 : 2015 Company

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