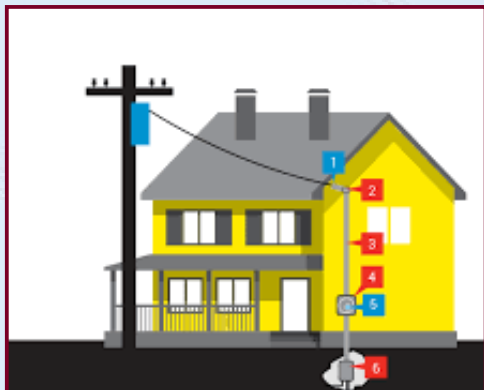


VOLTCHek

NON-CONTACT HIGH VOLTAGE DETECTOR

TAURUS

LOW VOLTAGE
230V to 11kV



MEDIUM VOLTAGE
11kV to 66kV



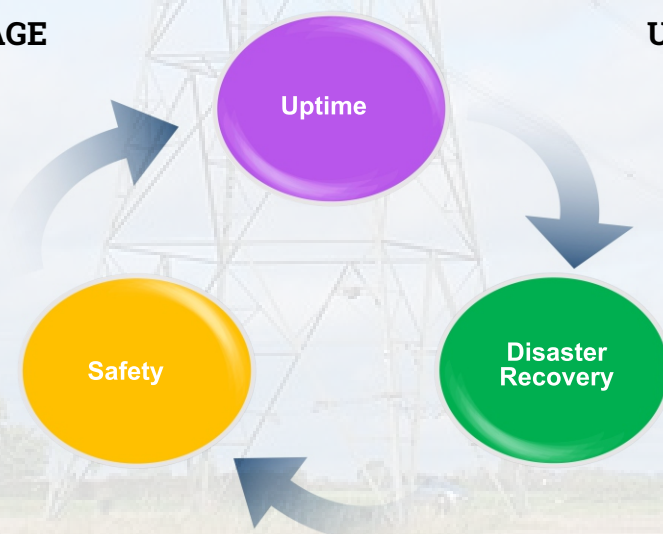
HIGH VOLTAGE
66kV to 132kV



EXTRA HIGH VOLTAGE
132kV to 400kV



ULTRA HIGH VOLTAGE
400kV to 765kV





NON-CONTACT HIGH VOLTAGE DETECTOR

AC VOLTAGE AND INDUCED VOLTAGE DETECTION

The VOLTCHek 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. Firstly as 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 one 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 in several steps
- Suitable for Indoor & Outdoor Operation
- Range upto 765kV
- Automatic Continuous Inbuilt Self Check function
- Universal Sunrise Connector
- Type Tested from CPRI Bangalore as per IEC
- Wide Voltage source ranging from 415 V to 765kV AC.
- Continuous self testing signal to avoid ambiguity.

APPLICATIONS OF NON CONTACT VOLTAGE DETECTOR

SUBSTATION

1. 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. The constructed in such a way so as to avoid any danger to the operating personnel during use and under normal conditions.

Selectable sensing voltage selector- 415V/6.6kV/11kV/33kV/66kV/132kV/220kV/400 KV and 765kV



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 going for the maintenance works.

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

Non Contact Voltage detector comes with universal Hot stick to connect Fibre Glass FRP/ wooven Hot sticks.

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



VOLTCHek-132kV



VOLTCHek-132kV is a safety device designed to Detect any AC voltage and Induced Voltage presence on live conductor from 230V to 132kV AC 50Hz overhead Power lines in HV switch yards, Distribution Lines, Power plants & Industries.

USAGE

The VOLTCHek can be attached to an insulation stick (Hot Stick). This increases range and minimal safe distances that are required for high voltages. To attach a VOLTCHek 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 415 volt 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. If this does not occur there may be a few possibilities to consider before taking out of service :
4. To Verify the tester using outside influences :
 - Place the tester against live power outlet or equivalent above 415 volts AC.
 - Use the VOLTCHek to test the activation of the unit on the 415 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 415V setting move the tester closer to the conductor under test.



VOLTCHek-765kV



VOLTCHek-765kV 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.

SPECIFICATIONS

- Voltage sensing range : 415V AC to 765 kV AC
- Voltage Detection : a. Audible,
b. Visible
- Light source : High intensity LED
- Sound Source : Electromagnetic Piezo
- Operating Temperature : -10 to 55°C
- Storage Temperature : -10 to 65°C
- Dimensions : L-145mm, W-105mm
Cap diameter - 65mm
- Weight : 250g
- Battery life : ON (Self test) 120+ Hours
ON (Alarm on) 90+ Hours
- Battery : 9V
- Current Consumption : Less than 30mA
- Humidity : 90% non condensing
- Connection link : Universal
- Insulation : 500M at 1kV
- Protection : IP 54 Certified
- Certification : Power frequency withstand
Voltage Test (Dry) - CPRI
Certified
Insulation resistance test
for 1kV - CPRI Certified
- Hot Sticks : 3Mtrs. FRP Fiber Glass Hot
Stick (Standard)
5 Mtrs. FRP Fiber Glass Hot
Stick (Optional)

CAPABLE OF DETECTING FROM SAFE DISTANCE :

HV Line Voltage	Safe Detection Distance in meters
765 kV	5
400 kV	4
220 kV / 230 kV	4
110 kV / 132 kV	4
66 kV	3
33 kV	3
25 kV	1.2
11 kV	1
6.6 kV	0.5
415 V	0.2



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

SIZE		CLOSED LENGTH	BASE DIA.	NO . OF SECTIONS	WEIGHT	OPERATING LENGTHS
55 FT.	16.8 m	69.5"	3 11/16"	12	25 lbs 4 oz	55',50',45',40',35'
50 FT.	15.2 m	68"	3 1/2"	11	20 lbs	50',45',40',35',30'
45 FT.	13.7 m	66"	3 1/8"	10	16 lbs 8 oz	45',40',35',30',26'
40 FT.	12.2 m	65"	2 7/8"	9	13 lbs 8 oz	40',35',30',26',21'
35 FT.	10.6 m	63"	2 5/8"	8	11 lbs	35',30',26',21',17'
30 FT.	9.1 m	62"	2 3/8"	7	8 lbs 14 oz	30',26',21',17'
25 FT.	7.6 m	60"	2 1/8"	6	6 lbs 14 oz	26',21',17'
20 FT.	6.2 m	58"	1 7/8"	5	5 lbs 3 oz	21',17'
16 FT.	4.9 m	56"	1 5/8"	4	4 lbs	16',12'



TAURUS POWERTRONICS PVT LIMITED

Corporate Off.: No. 26, "Mahadimane", 12th Main, 1st Block, Rajajinagar, Bengaluru - 560 010. INDIA, Tel : + 91 80 23012301

Email : info@tauruspowertronics.com, care@tauruspowertronics.com, Tollfree : 1800 425 2112, WhatsApp : +91 73496 44344

Sales & Service Off.: No. 648/54, KLE College 2nd Block, Rajajinagar, Bengaluru - 560 010. INDIA , Tel : + 91 80 2352 2136/74

BENGALURU
DELHI
KOLKATTA
MUMBAI