

VSure

Non-Contact Voltage Detector



- **Safe, non-contact detection of live AC voltages (440V -1200kV)**
- **Operator safety across LV to UHV systems**
- **Non-contact detection (Capacitive sensing technology)**
- **Clear alerts: High-intensity LED + loud buzzer**
- **Compact, rugged and lightweight**
- **Suitable for overhead lines, cables, and equipment**

DESCRIPTION

The VSure Series is a range of professionally engineered non-contact voltage detectors designed to detect the presence of alternating high voltage electric fields without making direct electrical contact. These detectors provide critical safety assurance for professionals working on or near energized systems in utility, industrial, and transmission sectors.

Each VSure model is tailored for a wide voltage range and incorporates high-intensity visual indicators (LEDs) and audible alert to signal the presence of voltage in the region. Designed for field use, the VSure series combines ease of operation, robust construction, and field-replaceable components for reliable performance in demanding environments.

APPLICATIONS

The VSure Series is used for safe, non-contact detection of live AC voltages across a wide voltage range (440V - 1200kV). It is ideal for:

- Enhancing safety in utility, industrial, railway, and mining environments
- Ensuring operator safety across LV to UHV systems (440V to 1200kV)
- Detecting live conductors in overhead lines and substations
- Identifying energized cables during maintenance
- Detecting residual or induced voltages
- Verifying voltage presence

FEATURES

- Detects presence of AC voltage on overhead lines, cables and equipment without contact
- Inbuilt self-test function for operational and low battery indication check
- Wide voltage detection range from 440V to 1200kV on 50/60 Hz network
- High-intensity LED and loud buzzer for clear visual and audible alert
- Type tested as per relevant standards for performance assurance
- Adjustable voltage sensitivity for varied operating conditions
- Compact design with capacitive head sensing technology
- Rugged and lightweight; compatible with telescopic rods
- Suitable for both indoor and outdoor applications
- Powered by a 9V battery; field replaceable

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Technical Specification

Parameter	Specification	ENVIRONMENTAL
Model Variants	VSure 33 VSure 400 VSure 1200	Operating Temperature : -10°C to 55°C Storage Temperature : -10° C to 60° C Relative Humidity : 95 % RH at ambient Temp.
Voltage Detection Range	VSure 33 : 415V, 3.3kV, 6.6kV, 11kV, 33kV. VSure 400 : 66kV, 110kV, 132kV, 220kV, 400kV. VSure 1200 : 132kV, 220kV, 400kV, 765kV, 1200kV.	SAFETY Standards: IEC-61243-6
Detection Type	Non-contact (Capacitive sensing technology)	MECHANICAL Dimension: H: 165 mm; Dia: 90mm Weight Device: 350 gms
Frequency Compatibility	50Hz / 60Hz	
Visual Indication	High-brightness (Red) LEDs	
Audible Indication	Buzzer with output level of 80–85 dB	
Self-Test Function	Manual	
Voltage Sensitivity	Adjustable (Model-dependent)	
Power Supply	9V Battery (Type 6F22 or equivalent), field-replaceable	
Low Battery Voltage Threshold	<6V	
Battery Low Indication	Separate LED indication provided (Blue)	
Insulated Stick (Optional)	High voltage Telescopic round/triangle hot-stick available in 4m to 12m fully extended lengths	
Ingress Protection Rating	IP65	
Compliance	Type tested as per relevant electrical safety standards	

ORDERING INFORMATION

Description	Part number	Optional Accessories	Part number
VSure 33	910-033	Telescopic hot-stick *(4m-5m)	910-H-04/910-H-05
VSure 400	910-400	Telescopic hot-stick *(4m-8m)	910-H-04/910-H-05/910-H-06/910-H-08
VSure 1200	910-1200	Telescopic hot-stick *(6m-12m)	910-H-06/910-H-08/910-H-10/910-H-12
Carry Bag for Detector	910-B		
Test & Calibration Certificate	910-C		

*Telescopic hot-stick Length Reference

Length of Telescopic hot-stick	4m	5m	6m	8m	10m	12m
Voltage withstands (KV)	35kV	110kV	220kV	330kV	500kV	750kV
Part No.	910-H-04	910-H-05	910-H-06	910-H-08	910-H-10	910-H-12

SALES OFFICE

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