

MS033, MS400, MS1200 Non-Contact Voltage Detector



- Precision-Designed in Full Compliance with IEC 61243-6
- Reliable detection of live AC high voltages from 415 V up to 1200 kV
- Non-Contact Detection driven by Capacitive Sensing Technology
- Non-contact solution Ensures Operator Safety across all LV, HV & UHV Systems
- Instant alerts through Super-Bright LEDs and Attention-Grabbing Buzzer
- Compact by nature, Rugged by design & Lightweight to use
- One solution for overhead lines, high voltage bare conductor & terminations
- Certified for Excellence: IEC61236-1 standard compliance and IP64 Protected

DESCRIPTION

The MS Series are a range of 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 MS model is tailored for a wide voltage range and incorporates with super bright visual indicators (LEDs) and audible alert to signal the presence of voltage in the region. Designed for field use, the MS series combines ease of operation, robust construction, and field-replaceable components for reliable performance in demanding environments.

APPLICATIONS

The MS Series is used for safe, non-contact detection of live AC voltages across a wide voltage range (415V- 1200kV). It is ideal for:

- Enhancing safety in utility, industrial, railway, and mining environments
- Ensuring operator safety across LV to UHV systems 415V to 1200kV
- Detecting live conductors in overhead lines and substations
- Detecting residual or induced voltages
- Verifying voltage presence

FEATURES

- Detects the presence of AC voltage on bare conductor e.g, overhead lines, transmission cable and equipment terminations without contact
- Inbuilt self-test function for operational and low battery indication check
- Wide voltage detection range from 415V to 1200kV on 50/60 Hz network
- Super bright LED and loud buzzer for clear visual and audible alert
- Type tested as per IEC 61236-1
- Adjustable voltage sensitivity for varied operating conditions
- Compact design with capacitive head sensing technology
- Rugged and lightweight; compatible with insulated hot-stick having universal connector
- Suitable for both indoor and outdoor applications
- Powered by a 9V battery; field replaceable
- Available with self diagnostic capability

MS033, MS400, MS1200

Non-Contact Voltage Detector

Technical Specification

Parameter	Specification	Environmental	
Model Variants	MS033 MS400 MS1200	Operating Temperature : Storage Temperature : Relative Humidity :	-25 °C to +55 °C -10 °C to +60 °C 95% RH at ambient Temp.
Voltage Detection Range	MS033 : 415 V, 3.3 kV, 6.6 kV, 11 kV, 33 kV. MS400 : 66 kV, 110 kV, 132 kV, 220 kV, 400 kV. MS1200 : 132 kV, 220 kV, 400 kV, 765 kV, 1200 kV.	EMC	
Detection Type	Non-Contact (Capacitive Sensing Technology)	Standards:	IEC 61326-1
Frequency Compatibility Visual Indication	50 Hz / 60 Hz	Mechanical	
Audible Indication	Super Bright LED - Red colour	Product Dimensions:	Height: 161.0 ± 3 mm Diameter: Ø90.0 ± 0.5 mm
Self-Test Function	Buzzer with output level of 80–85 dB	Product Weight:	300 ± 10% gms
Voltage Sensitivity	Manual		
Power Supply	Adjustable (Model-dependent)		
Low Battery Voltage Threshold	9 V Battery (Type 6F22 or equivalent), field-replaceable		
Low Battery Indication	< 6 V		
Operating time	Dedicated LED indication - Blue colour		
Ingress Protection Rating	6 hrs		
Compliance	IP64		
	Tested as per IEC 61243-6		

ORDERING INFORMATION

Description	Part number	Optional Accessories	Part number
MS033	910-033	MPU690 Proving Unit	1001 - 561
MS400	910-400		
MS1200	910-1200		
Carry Bag for Detector	910-B		
Test Certificate	910-C		

SALES OFFICE

Megger

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