

High Voltage Proximity Detector



Technical Datasheet



MT275

The MT275 is a high voltage proximity detector that has 10 voltage settings from 240V AC to 500kV AC. The MT275 provides a wide 120° angle for non-contact detection with an internal pickup sensor plate that senses the radiated field which surrounds live conductors, the field strength increases with voltage and decreases quickly with distance or earthing shields. When testing for high kilo voltages the MT275 can be used in conjunction with long insulating link sticks or hot sticks. There is a built-in self-test range to verify the detector is in working order.

Features:

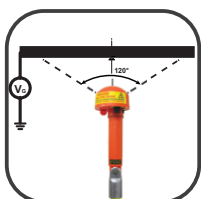
- 10 voltage settings from 240V to 500kV
- Bright LED visual indication and Audible indication
- AC voltage detection from 240V to 500kV
- Wide 120° angle for voltage detection
- Non-contact detection by proximity
- IP65 waterproof housing
- Easy-to-prove method
- Compatible with most hot sticks
- Suitable for indoor and outdoor use
- High impact nylon casing
- Built-in Flashlight
- Self-test function
- EN 61326-1, CISPR 11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-8

General Specifications

Functions	Range
AC Voltage Detection	240V to 500kV
AC Voltage Ranges	240V, 3.3kV, 11kV, 22kV, 33kV, 66kV, 110kV, 220kV, 330kV, 500kV
Detection Angle	120°
Frequency Range	40Hz to 70Hz
Sound Level	>99dB
Dimensions	255 x Ø96 x Ø45mm
Weight	531g

Specifications

Function	Range	(MDV) Min Detection Voltage	(MDV) Min Detection Voltage
AC Voltage	240V	80V	9.1%
	3.3kV	80V	9.1%
	11kV	1kV	9.1%
	22kV	2kV	9.1%
	33kV	3.1kV	9.4%
	66kV	6kV	9.4%
	110kV		
	220kV		
	330kV		
	500kV		



Provides a wider angle for non-contact voltage detection



Flashlight

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