

PRODUCT FUNCTION

The **Metravi HT500** Non-contact Voltage Detector reminds the electrical worker to pay attention to safety and avoid high voltage electric shock accidents. When the operator is wearing the alarm and gets close to a high voltage charged body within a certain distance, sound and light alarms go off, according to the safety distance of the corresponding voltage level. This instrument can also be used for line fault detection and electro-scope.

PRODUCT FEATURE

- Provides a safe, practical, convenient, new style high voltage alarm device for high voltage approach electric operator. It is especially suitable for sites having overhead high voltage lines.
- The alarm is to be worn on the helmet of the operator, and the alarm Δ symbol should be pointing towards the direction of the fingertips.
- Adopts non-contact induction technology, accurate alarms, is power saving and durable with standby time up to 12 months.
- Features all-directional induction voltage power source, automatic trigger-detection mode with sound and light alarms, to ensure safety of approach for high voltage electricity workers.
- Works only for Single Core cables. Will not work on shielded or armoured cables.



The Detector is to be worn on the helmet of the working personnel, with the front face of the alarm facing out.

TECHNICAL SPECIFICATION

1. Voltage Level and Alarm Distance

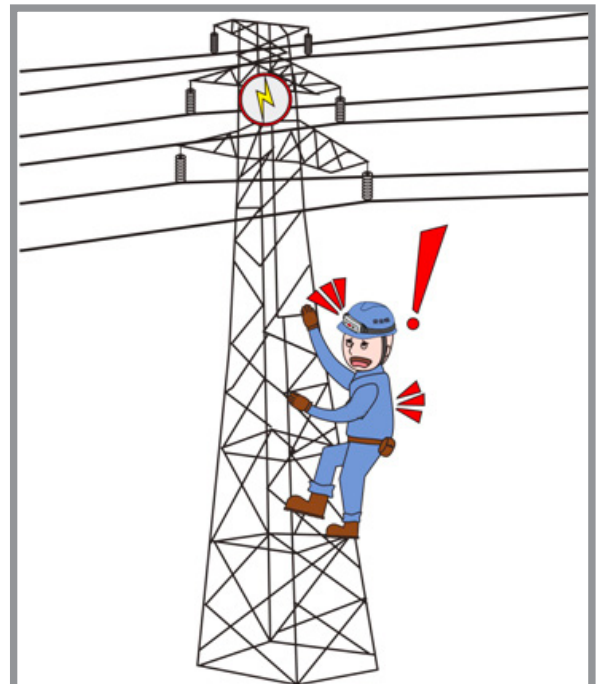
1kV	0.1m
6.6kV	0.7m
10kV	1.0m
35kV	1.6m
66kV	2.2m
110kV	2.5m
220kV	3.5m
330kV	4.5m
500kV	5.5m



*Technical Specifications & Appearance are subject to change without prior notice

2 .Technical Parameters

Power Supply	2 nos. CR1632 (140mAH) button cells (included)
Alarm Voltage Range	1kV ~ 500KV (high voltage alarm)
Working Frequency	50Hz/60Hz
Electricity Testing Mode	Non-contact mode
Detection Mode	Automatic trigger
Alarm Distance Error	±10cm (under base condition)
Battery Life	Continuous working (sound and light alarms) : about 24 hours
	Standby : about 12 months
Alarm Mode	Indicator : LED light visibility under 8000LX visible light
	Buzzer : above 60dB (from 60cms distance)
Protection Level	IP54
Weight	51g
Dimensions	88mmX32mmX30mm
Working Temperature	-10°C ~ 40°C below 80%RH



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