

### PRODUCT FUNCTION

The **Metravi WT500** 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.

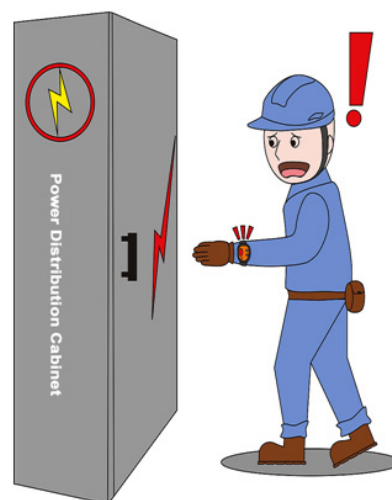


### PRODUCT FEATURES

- Provides a safe, practical, convenient, new style high voltage alarm device for high voltage approach electric operator. It is especially suitable for sithaving overhead high voltage lines.
- The alarm is to be worn on the wrist of the operator, and the alarm  $\Delta$  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.



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### TECHNICAL SPECIFICATION

#### 1. Voltage Level and Alarm Distance

(The safety distance is in accordance with "GB 26860-2011 Electric Power Safety Working Regulations-Electrical Part of Power Plants and Substations" and "GB 26859-2011 Electric Safety Working Regulations-Power Line Part")

Voltage Level	Safe Distance	Alarm Distance
1KV		0.10m
6.6KV		0.70m
10KV	0.70m	1.00m
35KV	1.00m	1.60m
66KV	1.50m	2.20m
110KV	1.50m	2.20m
220KV	3.00m	3.50m
330KV	4.00m	4.50m



#### 2. Technical Parameters

<b>Power Supply</b>	1 CR1632 (140mAH) button cell (included)
<b>Alarm Voltage Range</b>	1kV ~ 500kV(high voltage alarm)
<b>Working Frequency</b>	50Hz/60Hz
<b>Electricity Testing Mode</b>	Non-contact mode
<b>Detection Mode</b>	Automatic trigger
<b>Alarm Distance Error</b>	±10cm (under base condition)
<b>Battery Life</b>	Continues working (sound and light alarm) : about 24 hours
	Standby : about 12 months
<b>Alarm Mode</b>	Indicator : LED light visibility under 8000LX visible light
	Buzzer : above 60dB (from 60cms distance)
<b>Protection Level</b>	IP54
<b>Weight</b>	35g
<b>Dimensions</b>	90mmX40mmX35mm
<b>Working Temperature</b>	-10°C ~ 40°C below 80%RH
<b>Accessories</b>	Alarm with Band, Battery, Plastic Coin (use for installing and replacing battery)

