

ETCR METER[®] EM1860A/1860AC

GUANGDONG ETCR ELECTRONIC TECHNOLOGY CO.,LTD. Wrist Type H/L Voltage Proximity Alarm



PRODUCT FUNCTION

- After the operator wear the alarm, when proximity the high-voltage live conductor at a certain distance, the alarm will sound an audible & visual alarm based on the corresponding safety distance according to the voltage level, reminding the electrical workers to pay attention to safety and avoid high-voltage electric shock accidents. This product can also be used for line fault detection and electroscope.

PRODUCT FEATURES

- The alarm is worn on the wrist of the operator and can comprehensively detect the electric field in the air, with high sensitivity.
- There is no need to turn on the machine. When the electric field is sensed to be greater than the threshold, the alarm function will be automatically triggered to ensure the safety of personnel working near electricity.
- Adopt with non-contact induction and low-power consumption technology, power saving and durable, with a standby time up to 12 months.

TECHNICAL SPECIFICATION

Voltage Level and Alarm Distance

Model	Voltage Level	Safe Distance	Alarm Distance
EM1860A	0.4kV	/	0.02m
	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	2.50m
	220KV	3.00m	3.50m
	330KV	4.00m	4.50m
	500KV	5.00m	5.50m

Model	Voltage Level	Alarm Distance
EM1860AC	40V	5cm
	110V	10cm
	220V	15cm
	600V	40cm
	1KV	60cm

- The safety distance is in accordance with GB 26859-2011 "Electric Safety Working Regulations-Power Line Part"
- Alarm distance error: $\pm 10\text{cm}$ (at $23^{\circ}\text{C} \pm 1^{\circ}\text{C}$, 80%RH, under reference conditions). When environmental conditions change (such as on-site temperature and humidity, the presence of metal components, objects blocking, etc.), the alarm distance error will increase accordingly.

TECHNICAL PARAMETERS

Power Supply	CR1632 (140MAH) button battery*1PC
Alarm Voltage Range	EM1860A: 0.4kV ~ 500kV (high voltage alarm); EM1860AC: 40V ~ 1kV (Low voltage alarm)
Working Frequency	50Hz / 60Hz
Electricity Testing Mode	Non-contact mode
Detection Mode	Automatic triggering
Battery Life	Continues working (sound & light alarm): approx.24 hours
	Standby: approx. 12 months



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Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery.
Subject to technical change without notice.

Alarm Mode	Indicator: LED light visibility under 8000LX visible light
	Buzzer: above 60dB (60cm apart)
Protection Level	IP54
Weight	Approx. 0.06kg (include accessories)
Dimensions	52mm x 30mm x 15mm (not include watchband)
Working Temperature	- 10℃ ~ 40℃; below 80 % RH
Accessories	Alarm*1PC
	Button battery*1PC