

**INTRODUCTION**

The Metravi 1810 AC/DC High Voltage Tester, is specifically a DC voltage tester designed for railway and power line applications.

It's used to measure voltage in high and low voltage lines, including railway contact lines, and for verifying voltage and providing early warning. The instrument uses a telescopic structure with a retracted length of 1600mm and an extended length of 5000mm.

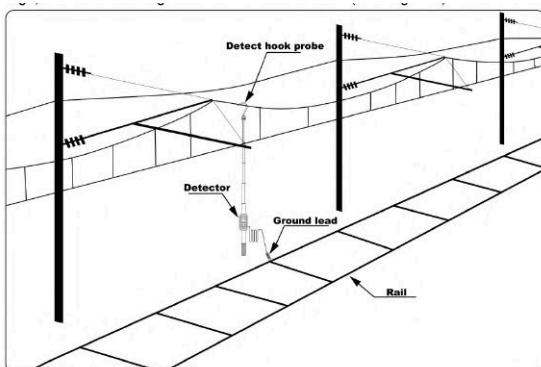
It is designed for voltage measurement and electrical safety verification in high-voltage environments, particularly in railway and power transmission systems.

The tester utilises a telescopic structure for ease of use and portability, allowing for measurements at various distances.

It helps detect induced voltages that can occur during maintenance on power lines due to capacitance from adjacent energised/live lines, ensuring the safety of maintenance personnel and equipment.

**TECHNICAL SPECIFICATIONS**

Power Supply	DC9V alkaline dry battery (LR6 1.5VX6PCS)
Voltage Range	AC/DC 30V~35kV
Voltage Accuracy	±2%±8dgt
Voltage Resolution	1V
Frequency Range	50Hz/60Hz
Input Resistance	About 150MΩ
Test Current	<0.4mA/10kV
LCD Size	47mmX28.5mm
Alarm Indication	Testing voltage<36V, green indicator light up Testing voltage≥36V, red indicator light up and triggering buzzer alarm
Automatic Shutdown	10 minutes without any operation after starting up, the detector will shutdown automatically
Battery Indication	Battery voltage lower than 7.2V±0.1V, display low voltage symbol "⚡", remind to replace the battery
Instrument Weight	About 4.5kg (include accessories)
Instrument Dimension	1680mmX102mmX83mm
Insulation Rod Length	Contraction state: about 1600mm, Extend state: about 5000mm
Insulation Test	Between exposed metal and plastic housing: AC3700V/rms
Working Temperature	-10°C~40°C; Below 80%RH
Accessories	Detector, Magnetic Ground Wire, Clamp Ground Wire, Carrying Case; LR06 Battery x 6



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