

T500HVD

Non-contact High Voltage Detector

The Model T500HVD is designed to detect the presence of high voltage without physical contact. An eight position rotary switch selects the detection range. As the sensor is moved closer to the voltage carrying conductor, its sensor head picks up the radiated electric field. Once the range threshold is reached, the buzzer sounds and a bright red warning light warns the operator of live conductors. The Model T500HVD is powered by three standard 9V cell batteries and can be used both in and out-of-doors. A universal spline on the back-end facilitates attachment to any standard hot stick. A self-test position ensures that all circuitry and indicators are working properly before use.



Application

1. Non-contact detection of live voltages
2. Check and detect live high voltage cables
3. Find faults in cables
4. Check grounding equipment
5. Service neon lighting
6. Trace live wires
7. Check high frequency radiation
8. Detect residual or induced voltages



Features

1. Works on unshielded cables only
2. Wide range of detection; finds 80V to 550kv; one instrument fits all applications
3. Eight switch selectable voltage sensitivity ranges
4. Lightweight, minimizes sway at the end of long hot sticks
5. Audible and visual indication of live voltage
6. Self-test position ensures that all system functions and indicators are working properly by energizing the complete system

7. Designed for use with hot sticks incorporating a shotgun adapter
8. With flashlight function
9. Powered by 9V cell batteries

Parameters

Electrical parameters	
Detection Frequency	40-70Hz
Ranges	380V, 6kV, 10kV, 27.5kV, 35kV, 110kV, 220kV, 500kV
Detection	Selection range is detected at approximately 20cm from the voltage, Greater detection distances can be obtained at lower voltage positions; detected only 5cm in 380V.
Power Source	9V cell batteries (6F22)
Self Test	User selectable
Indicators	Bright red LED and audible buzzer
Flashlight	Yes
Sealing class	IP65
Consumption	Max: 65mA
Standard	EN 61326-1 CISPR 11 EN 61000-4-2 EN 61000-4-3 EN 61000-4-8
Mechanical parameters	
Dimensions (WxDxH) (mm)	115x115x169
Weight (g)	365 (with battery)
Environmental conditions	
Operating Temperature	-15°C to +55°C
Storage Temperature	-20°C to +65°C
Relative humidity	0%-95% RH