

Voltage Detectors



Layton voltage detectors are used to verify live or dead conductors. These detectors may be used with rubber insulating gloves or hot sticks using the universal spline end fitting. Different models available to cover all medium and high voltage tasks. Detectors indicate the presence of voltage with 2 extra bright red LED lights and a distinctive audible signal. It is recommended that the tester be moved closer to the conductor until a warning is indicated, or it touches the conductor, apparatus, or elbow test point.

Layton voltage detector are certified in conformity with the International Standard CEI EN 61243-1 - CEI IEC 61243-1.

Utilizing a test circuit allows testing to be continuous and automatic prior to real work. An intermittent flash and beep confirms the detector is functioning properly. Each detector requires an alkaline 9V battery (included).

Some distinctive specifications of Layton voltage detectors are:

- Nominal voltage ranges to be set upon the working voltage
- Suitable for use indoor and outdoor
- Double indication of operative voltage presence, intermittent acoustic and flashing of 2 red LED lights
- The absence of operative voltage is indicated by the green led-light permanent ON
- Built-in self control check for testing the accurate working of the voltage detector, before use
- Cylindrical box made by polycarbonate to make it lighter
- Metallic contact probe for more endurance
- Attachment with M10 threading, universal spline type U or hexagonal type CH12 for connection onto the head of the insulating rod (or other to be specified on demand)
- Supplied in a hard metallic case for more protection
- On demand, can be supplied with or without an insulating rod
- On demand, can be supplied with or without a waterproof heavy fabric bag

! **WARNING** !

Always test your detector before approaching the real job

Always keep safe distance according to OSHA guidelines in Table R-6 of the Federal Register, published 31/1/1994

Layton offers 2 models of voltage detectors for different operating voltages:

- *Voltage Detector LPVD-SM-052 – 3 kV to 52 kV*
- *Voltage Detector LPVD-SM-400 – up to 400 kV*



Layton phase testers LVPD-PT-036 can be used as

- Double pole voltage detector
- Phase relationship detector
- HV fuse tester

Layton phase testers are certified in conformity with the International Standard CEI EN 61243-1 - CEI IEC 61243-1.



Some of the special features are:

- Operating voltage: 5-36 kV
- Composed of two high insulating rods with rubber handle and hand guard. The poles are connected one to the other by a high flex insulated cable, protected by cover sheath, length 1.2 m
- One of the two rods is provided with LED lights voltage indicators, the other rod is used merely to close the circuit
- Two high impedance antennas made by high insulating material, completed with electrodes, connectable onto the head of the two rods
- Total length of each rod is approximately 1.17 m
- Supplied in a hard metallic case for more protection
- Optionally can be supplied with contact antennas extension of 0.62 m

Layton Voltage Detectors Selection Table

CATALOG NO.	Working Voltage	Audio Signal	Visual Signal	Indoor / Outdoor
LPVD-SM-052	3 – 52 kV	Yes	Yes	Indoor & Outdoor
LPVD-SM-400	Up to 400 kV	Yes	Yes	Indoor & Outdoor
LPVD-PT-036	5 – 36 kV	No	Yes	Indoor