

PROXY TESTER

PROXIMITY VOLTAGE DETECTOR



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AC VOLTAGE PROXIMITY DETECTOR

Designed to verify the presence of a selected AC voltage on electrical systems ranging from low voltage (secondary) to medium voltage (distribution) and high voltage (transmission). The PROXY TESTER detects the presence of AC voltage in substations, switchyards, overhead lines and underground networks. The device integrates up to twelve selectable voltage levels within a wide operating range from 110 V AC to 750 kV AC (depending on version).

ENGINEERED FROM FIELD REQUIREMENTS

The PROXY TESTER has been developed to ensure:

/ Reliability of indication

- Detection of AC voltage according to the selected nominal level
- Immunity in case of direct contact with an energized conductor
- Clear visual and audible indication in all working conditions

/ Robust and dependable design

- Direct battery access
- Electronics compartment sealed from the battery compartment
- Interchangeable adapter compatible with insulated pole end fittings



Technical specifications

- Selectable levels: Up to 12 positions
- Frequency: 50/60 Hz
- Climate Class N = -13°F — 131°F
- Humidity: 96% max
- Water resistant IP66
- Power supply: 9 V lithium battery (IEC 6LR61)
- Housing: orange polycarbonate
- Dimensions: 3.14 in × 8.85 in (Ø 80 mm × 225 mm)
- Weight: 1.54 lb (0.700 kg)

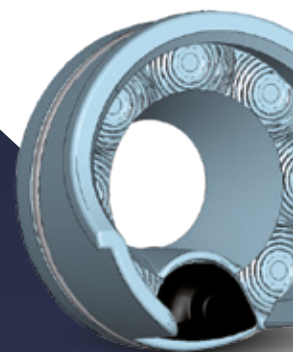
Compliance

- Complies with European directives.
- Complies with OSHA requirements 1910.333(b)(2)(iv)
- EN 61000-6-2 / EN 61000-6-4.

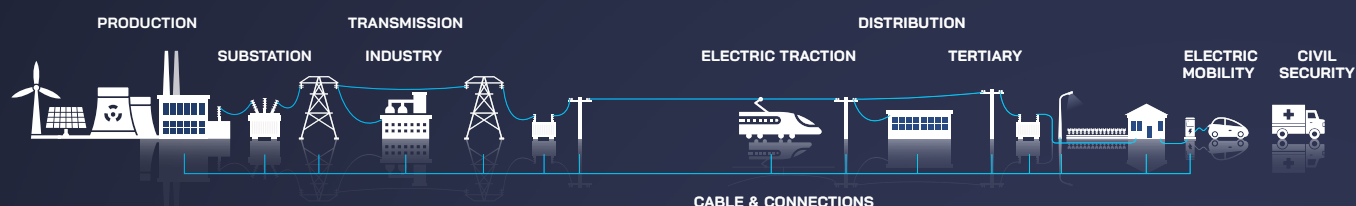
WE ARE PENTA ELECTRICAL SAFETY PRODUCTS

We build solutions for your safety and performance.

We design, manufacture and market safety and maintenance equipment for power grid and electrical network professionals.



/ Our Areas of Activity



We are the indispensable partner for linemen, maintenance technicians and electricians who work on electrical generation, transmission and distribution networks throughout the world.

/ Our Solutions



PROTECT

Personal and collective protective equipment essential for the health and safety of operators.



SECURE

Equipment specifically designed for your networks to ensure the safety of your operations.



WORK

Innovative, high-performance tools suited for field technical operations



LIVE WORKING

Equipment and devices specifically designed to meet the requirements of energized work environments.



15% new products
each year



65 patent applications



5% of turnover
injected in R&D



OPTIMIZED VISUAL INDICATION

- Visible in full sunlight and in fog.
- Wide viewing angle with side visibility through optic ring.
- Selected voltage level displayed on integrated digital display.

Operational logic: the “ready for use” status is indicated by a **GREEN** light. Presence of voltage corresponding to the selected position triggers a flashing **RED** light and audible alarm. Low battery condition is indicated by an **ORANGE** light.



FUNCTIONAL RELIABILITY

- Automatic self-test when the device is switched on.
- Self-test checks all internal circuits and battery level.
- Selection of voltage position by successive pressing of the control button.
- Switch-off by long press on the control button.



DIRECT BATTERY ACCESS AND SEALED ELECTRONICS COMPARTMENT

The configuration prevents:

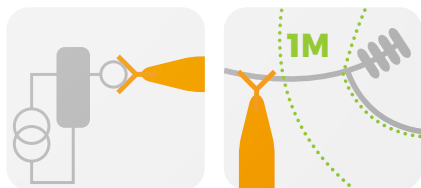
- Accidental interchange of housing and circuitry.
- Damage to electronic circuits.
- Humidity ingress when replacing the battery outdoors.



AUDIBLE INDICATION

Sound output designed for all environments:

- 100 dB at 3 ft (≈1 meter)
- Audible in heavy road traffic or strong wind due to acoustic horn amplification.



COMPLETE THE PROXY TESTER WITH THE FOLLOWING PRODUCT :



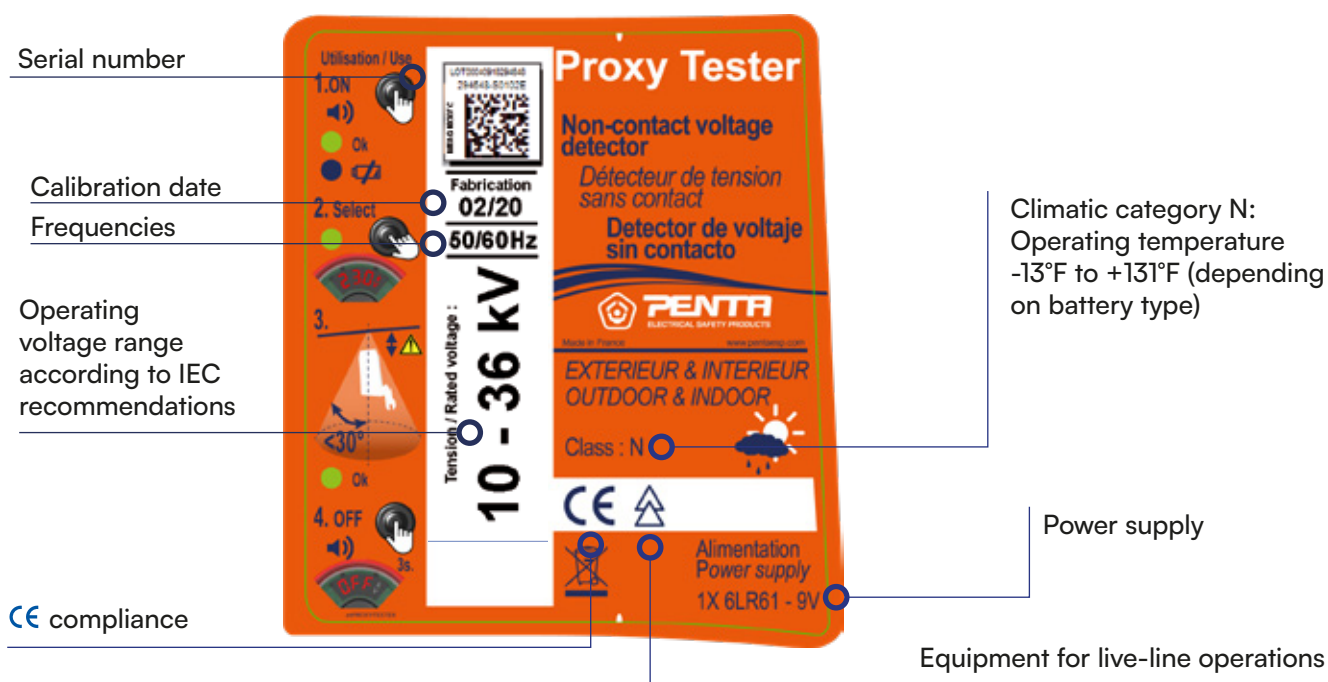
/ V CHECK

Capacitive voltage detectors proving unit



Check out the **V CHECK** capacitive voltage detector tester by scanning the QR code on the right and on our YouTube channel @pentaesp !





Reference	Voltage range	No. of levels	Voltage levels*	End fitting	User manual	Packaging
PROXY-DIST-H	0.24 — 69 kV	7	0.24 — 5 — 15 — 25 — 35 — 46 — 69kV	Universal / Universal-clampstick handle	FR, EN, ES	Soft bag with EMC protection
PROXY-URD-H		8	0.24 / URD: 4160 V, 6900 V, 15 kV, 25 kV, 35 kV (CTP) / Overhead: 5 — 15 — 25 — 35 — 46 — 69 kV			
PROXY-TR-H	0.24 — 500 kV	9	0.24 — 46 — 69 — 115 — 138 — 161 — 230 — 345 — 500			

* Other range available on request.

INTERCHANGEABLE ADAPTER FOR ALL TYPES OF INSULATED POLE END FITTING

ADVECU



ADVECUCR



PACKAGING



MULTI-LEVEL VOLTAGE SELECTION ARCHITECTURE

To address the diversity of distribution and transmission systems, the PROXY TESTER integrates up to twelve selectable voltage levels within a range from 110 V AC to 750 kV AC (depending on version).

This selectable architecture allows operators to define the nominal system voltage prior to approach, improving operational clarity in mixed-voltage environments.

Designed for substations, overhead lines and underground networks.



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