



Smart devices
creator

All Road Detection DT+

A set of tools to make facing
all field situations



Voltage Detector DTI

Main Features:

Latest generation of smart voltage detector, using "direct contact" technology and self-adapting sensors performing an environmental scan.

Continuous self-checking systems ensures the integrity of the DTI even after performing a self-test. (Operation of sensors, consistency of measurements, detection threshold, battery level, etc.).

Stability of the detection level no matter what the distance from the ground, the surrounding disturbances in phase or in opposition.

Recording of the threshold by self-learning on real voltage.

Complies with IEC 61243-1 (latest edition) for the voltage range from 1 to 69kV.

Electrode shape optimized to guarantee better contact

Light indications:



Green light indicates

The piece of equipment is at a lower voltage threshold.



Blue light indicates

Presence of voltage raised around the device, the electrode does not touch again the piece of equipment.



Red light indication and sound

Presence of voltage on the piece of equipment tested, the electrode is in contact.

Stability of measurements:

The latest generation of sensors combined with powerful calculation algorithms allow the DTI to maintain an extremely stable detection threshold.

On the laboratory test bench, as on field installations, the stability of the detection level greatly exceeds the normative requirements of the IEC standard, even for the more recent version of the standard.

Rejecting surrounding voltages, the DTI will not give an indication of the presence of voltage if it is in contact with a de-energized piece of equipment, even if a voltage source is nearby.

Even in extreme cases (illustrated on the photo to the right), the DTI is able to provide an indication of the presence of nominal voltage exceeding the detection threshold recommended by the IEC standard.

This extreme precision has enabled us to integrate the "Voltmeter" functionality (phase-to-ground voltage measurement) with real-time reading on the Nbox-II operator module



Proximity Voltage Detector DPI

Main Features:

Proximity voltage detector with a three-dimensional sensor system.

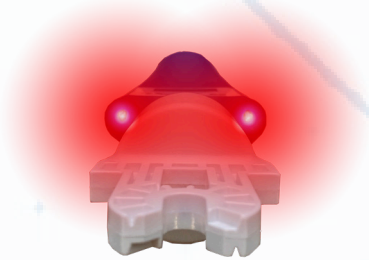
Variable digital gain measurement systems for calibration durability and increased accuracy.

Display of voltage ranges, on LCD screen, for simplified use with direct reading of the selected rating. (automatic backlight for nighttime use)

Quick selection of the desired voltage range using two buttons to navigate in the drop-down list of ratings.

Complete range of ratings, ranging from 120V to 735kV, a favorites system allows you to customize your own list of detection voltage range.

Light indication:



Red light indication and sound

Presence of voltage on the part of equipment tested.

Shotgun stick or a universal spline connection



Management of voltage ranges and favorites:

12kV

The 12kV detection range is selected and active. The indicated voltage corresponds to a network voltage.

4.0kV 25kV

12kV

Selection menu, the 12kV range is pre-selected. 4Kv range is the selectable lower range and 25kV is the selectable upper range.

Non / No

8.0kV

Favorites menu, the 8kV range is not one of the favorites, therefore, it does not appear in the range selection menu (see the picture of the selection menu).

Oui / Yes

4.0kV

Favorites menu, the 4kV range is one of the favorites. It appears in the range selection menu (see the picture of the selection menu)

Operator unit NBOX II

Main Features:

The NBOX II operator unit allows to receive remote information from DTI and DPI. It also offers the possibility to access the advanced functions of these products

Both the NBOX II and the DTI and the DPI are fitted with a transmitter and a receiver capable of a secure data system operating on the 2.4GHz frequency band. This communication system is approved all around the world.

The color screen is touch-sensitive with an icon-based navigation interface.

The pairing and recognition of the devices are automatic with a dedicated interface for each product.

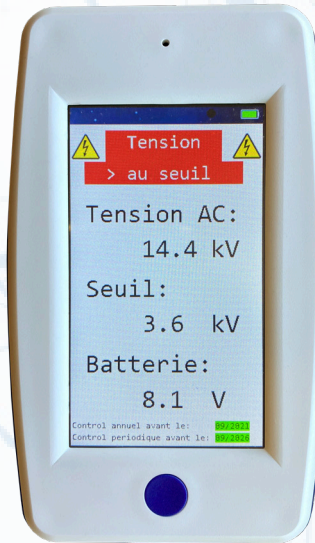


Works as a power button as well as a return home button.

Advanced features interface



DTI interface with information and repeater mode. Indication of the detection threshold programmed in the device as well as the voltage value of its battery. Indication of the date of the next annual check (recommended) Indication of the date of the next periodic inspection (mandatory) Audible signaling with indication of voltage overshoot of the threshold voltage. (left image below threshold, right image above threshold)



DTI interface with information, repeater mode and voltmeter.

Voltmeter mode allows you to take a reading of the voltage level of the piece of equipment under test. The voltage indication is a phase-to-ground value.



All NDE products are supplied with a heavy duty case.



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