



# MV GLOW TUBE TESTERS

## type 101 ...

### User Manual

#### General description

These are type L testers (according to EN 61243-1 classification) designed to detect the presence of medium voltage at a frequency of 50 Hz on electrical equipment. In indoor environments with light intensity up to 1000 Lx. The presence of voltage on the touch tip is clearly indicated by a flashing glowing glow.

#### Important notice:

1. The tester must be used in accordance with PNE 330000-6, EN 50110-1 and other local operating regulations as amended.
2. Climate class of the tester: normal -25°C to +55°C.
3. The testers are designed for use in indoor environments with light intensity up to 1000 Lx.

#### Directions for use:

- a) After removing the tester from the case, perform a thorough condition check by inspection, the tester must be clean, dry, mechanically undamaged. If necessary, wipe of any moisture or dew from moving the tester from a cold to a warm room.
- b) Check the rated voltage of the tester (always indicated on the insulating part of the rod) to see if it corresponds to the rated mains voltage.
- c) Test the correct operation of the tester on equipment that has been left energized.
- d) Apply the tester to the electrical equipment to be measured (each phase is tested separately). The tester must be held only by the handle. The detection of the presence or absence of high voltage in distribution equipment must only be carried out on live bare parts by direct metallic contact. It is forbidden to verify the presence or absence of high voltage unless the requirement of a direct electrical connection to the equipment to be verified is met.
- e) After use, we must again verify the correct operation of the tester by applying it to the live part.

- f) When using a category L tester, be aware of the possible effect of interfering voltages on the change in the electric field gradient, thereby affecting the correct indication of the tester at some point. In this case, the manufacturer recommends that this location be noted in the local operating rules and that a location be designated for testing where these effects do not occur.
- g) The red limit mark defines on the isolation part the physical limit to which the tester may be inserted between or touch live parts.

## **Maintenance instructions:**

The operator is obliged to submit the tester for periodic tests within the prescribed time limits according to PNE 359700. In the period between periodic tests, regularly check the external mechanical condition and the method of storage. The testers must be kept clean, dry, undeformed, mechanically intact and complete.

## **Testing:**

The testers are type-tested in the state-authorized testing laboratory EGÚ Běchovice and comply with PNE 359700 and ČSN EN 61243-1. Each product is subjected to a unit test before dispatch. The date of the test and the number of the authorised testing laboratory are marked on the label.

## **Storage:**

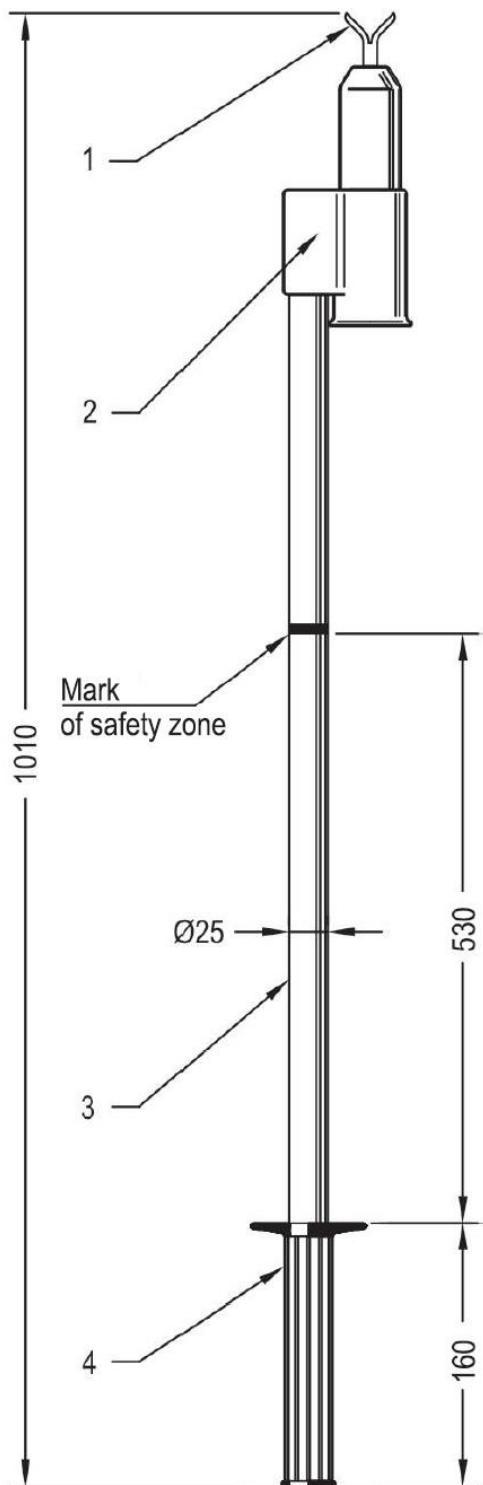
The tester is supplied in a case. Each product comes with an instruction manual and warranty card.

## **Storage:**

The product must be stored in dry, dust-free areas without the possibility of mechanical damage and not exposed to direct sunlight and ionizing radiation.

## **Warranty:**

The product is warranted for the period stated on the warranty card. The warranty covers defects demonstrably caused by the manufacturer. Defects caused by improper handling and storage are not covered by the warranty.



TYPE	NOMINAL VOLTAGE OF TESTER
101 006	7,2kV
101 010	12kV
101 022	25kV
101 035	38,5kV

- 1) Point of contact
- 2) Signalling head
- 3) Insulating rod
- 4) Handle with collar

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SPECIFICATION

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- The product complies with the PNE 359700 and ČSN EN 61243-1
- The capacitance tester, frequency 50 Hz
- Group indication - III
- Climate class: N (-25°C to + 55°C)
- Design category: L - no extended touch electrodes
- Weight: 0.6 kg
- The tester is delivered in case
- The tester does not require any power supply for its operation

