

▶▶ **INGESCO**[®] **LIGHTNING TESTER**

Portable device for testing electronic **INGESCO**[®] PDC lightning rods.



▶ **product description**

ILT tester is a portable device powered by a battery for testing electronic lightning rods by ohmic contact. The equipment is designed for testing electronic **INGESCO**[®] PDC lightning rods.

The evaluation of lightning rods heads has two results: OK when the head is working properly or FAIL when the head is defective.

The product box includes:

- 1x **INGESCO**[®] Lightning Tester.
- 1x double test connectors.
- 1x 9V battery.
- 1x User manual.

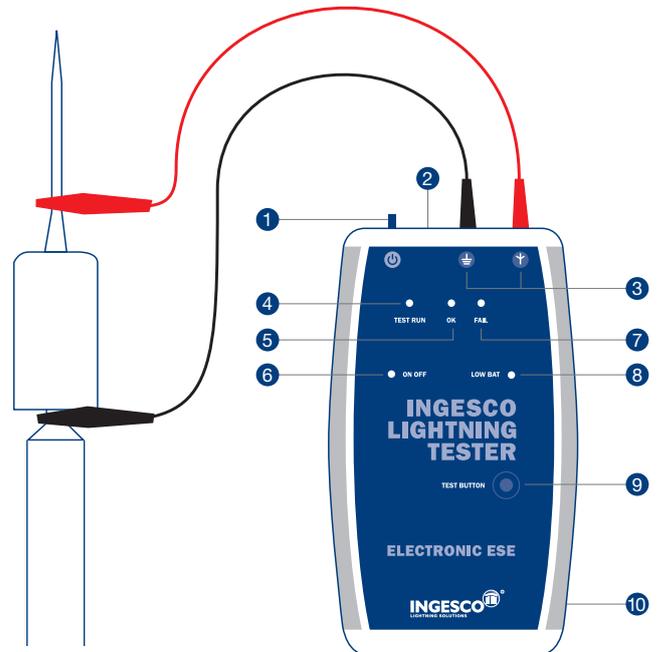
▶ **technical specifications**

- Supported models: electronic **INGESCO**[®] PDC lightning rods.
- Temperature: -10° C to 50° C.
- Power consumption: 20mA.
- Duration of test: 5 seconds aprox.
- Battery life in continuous use: 25 hours aprox.
- Power: Battery 9V IEC 6LR61/IEC 6F22/USA PP3.
- Dimensions: 147x89x25mm.
- Weight: 320 gr. With cable.
- Plastic: ABS.
- Color: Grey.
- Accessories: Test connectors 1m in length and 9V battery.

► test procedure

The procedure for testing the air terminal is the following:

- Connect the test terminal red color, at the tip of the lightning rod.
- Connect the test terminal black color, at the base of lightning rod in contact with the down conductor.
- Insert the test connectors in the input of the ILT tester, taking care of the polarity: the black cable in the ground connector  and red cable in the tip of the air terminal .
- Turn on the device using the power switch ON/OFF . The device beeps and all LEDs light up momentarily. After a couple of seconds just stays on the LED ON OFF .
- Press the test button . The LED "TEST RUN" switch on for a few seconds .
- At the end of the test, the indicator "TEST RUN"  switch off and beeps indicating the test result: if the air terminal is working correctly the green light will turn on OK . Otherwise, the light will turn red FAIL .
- After the test finished, disconnect the connectors from the lightning rod.
- Turn off the device using the power switch ON. The power ON LED should turn off .
- Save the device, disconnecting the test connectors of the lightning rod.



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|  Power switch ON / OFF |  Power ON indicator |
|  Acoustic output |  Indicator test result FAIL |
|  Test input terminals |  Battery level indicator |
|  Test indicator ON |  Test button |
|  Indicator test result OK |  9V battery holder |

► warnings and recommendations

- The **ILT tester** is a testing device by ohmic contact. It is necessary to access at the air terminal for evaluation test.
- The ILT tester is designed exclusively for the evaluation of the current models electronic PDC **INGESCO®** lightning rods. Future **INGESCO®** electronic models and lightning rods from other manufacturers may not be compatible with ILT tester technology. Contact with www.ingesco.com for questions about future models of the manufacturer.
- According with the test procedure, it is advisable, first connect the wiring to lightning rod and then connect the wiring to the **ILT tester**.
- The **ILT tester** is designed for testing lightning rods in closed or in open areas under normal environmental conditions (clear or slightly cloudy skies). Measurements under high electrostatic charge may distort the results.
- NEVER test the lightning rod in open areas under storm or very cloudy conditions.
- **INGESCO® ILT Device** is according with all the requirements demanded by the EMC directive 2004/108/EC obtaining the CE mark for free marketing and distribution in the European community.

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LIGHTNING TESTER

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