

MTA 10KW



ANALOGUE EARTH TESTER

- ✓ **AUTOMATIC**
- ✓ **EARTH RESISTANCE
MEASUREMENT**
- ✓ **4 POLE GROUND
RESISTIVITY
MEASUREMENT
(WENNER'S METHOD)**
- ✓ **SPURIOUS VOLTAGE
MEASUREMENT**
- ✓ **HIGH SPURIOUS
VOLTAGE REJECTION**
- ✓ **AUDIBLE SIGNAL
INDICATES ANOMALIES
IN THE CURRENT
CIRCUIT**
- ✓ **BATTERY CHECK**
- ✓ **RESOLUTION: 0,01**
- ✓ **UP TO 10 K**

The MTA-10KW earth tester is an automatic Earth Resistance Tester, that allows the measurement of Earth Resistances and Soil Specific Resistivity by the Wenner's method. It has also a built-in voltmeter that permits the measurement of spurious voltages that might be in the soil, caused by the surface leakage currents.

This equipment is well suited for measurements of earth resistances of lightning-conductors, electric power transmission towers, substations, primary cabins, etc. In all cases, the previous measurement of the soil specific resistivity is an important information that serves to project earth systems.

A 1470 Hz internal generator injects alternated current in the soil through auxiliary rods. The voltage generated on the soil is read by the equipment, that makes the division "V/I" and shows the result in the digital display. The injected current is electronically regulated.

An audible signal indicates anomalies in the circuit. If, for any reason, the test current is lower than the value required to perform the measurement, the alarm circuit is activated.

MTA 10KW - TECHNICAL SPECIFICATIONS

EARTH RESISTANCE RANGE

0-10 / 100 / 1.000 / 10.000

VOLTMETER RANGE

0 - 199.9 V

ACCURACY

Ohmmeter: "1% of r.v. + 1% of f.s.v.

Voltmeter: "2% of r.v. + 1% of f.s.v.

POWER SUPPLY

9 "D" size batteries, easy to purchase. It has input for an external 12 V battery.

DIMENSIONS

290 x 155 x 130mm.

WEIGHT

Equipment: 2,3 kg.

Including case, the accessories in the bag, batteries and manual: 8,9 kg.

OUTPUT CURRENT

For safety reasons, the output current is lower than 20 mA.

BATTERY STATUS CHECK

It has a push-button to check the battery status.

TEMPERATURE RANGE

Operating: -5°C to +55°C

Storage: -20°C to +60°C

HUMIDITY RANGE

Operating: up to 95% RH

Storage: up to 98% RH

ACCESSORIES

Standard kit

- 4 auxiliary electrodes (30cm long rods, hexagonal shape, galvanized steel).
- Connection cable to use an external 12V battery (car battery or similar) to charge the internal battery
- 40m red lead (on spool)
- 20m blue lead (on spool)
- 20m green lead (on spool)
- 5m black lead
- Carrying bag
- User's guide

Premium kit

- 4 auxiliary electrodes (50cm long rods, hexagonal shape, cooper coated steel).
- 1 rod extraction tool.
- Connection cable to use an external 12V battery (car battery or similar) to charge the internal battery
- 40m red lead (on spool)
- 20m blue lead (on spool)
- 20m green lead (on spool)
- 5m black lead
- Carrying bag
- 50 meters tape measure
- User's guide.

Technical modifications reserved.



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