

Electrotest-EIS-3KM - capacitively coupled resistivity meter

The device consists of **transmitter** and a **receiver** with the micro-processor controlled.
Frequency of a signal – **16550 Hz**.

Electrotest-EIS-3KM measures the electrical properties of rock and soil.

Data collection is many times faster than systems with application of electrodes.



Within last 6 years it is made and sold to customers about 120 devices of this series.

Features:

- Full dipole-dipole **resistivity** profiling
 - Measurements on frozen ground, ice, concrete, and other areas where grounded dipole measurements are difficult to make
 - Mode of automatic measurement with the set time intervals
 - Interface: USB
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- Internal storage batteries in transmitter and receiver
 - Internal chargers for the transmitter and for the receiver
 - In the complete set to the transmitter and the receiver are delivered 4 dipole cables

Electrotest-EIS-3KM specifications:

Operating principle: constant-current capacitively-coupled, dipole-dipole resistivity

Transmitter specifications:

Frequency under **16550 Hz**

Output capacity of the transmitter: ≤ 10 pF

Output current: 1,0; 3,0; 10,0; 30,0 mA

Output voltage: ≤ 600 V

Dimensions: 270x130x270 mm

Weight: $\approx 1,7$ kG (with the internal battery)

Receiver Specifications:

Dipole lengths: 1,5; 2,0; 5,0 m

Input Specifications: $C \leq 10$ pF

Input Voltage Range: $0.5 - 2 \cdot 10^6$ μ V

Measured Voltage Accuracy: 1...2%

Input Voltage Range 0 - 2 V RMS

Memory Capacity: 2048 (or 4096) readings

Micro-processor controlled and LCD 16x2

The keyboard 4x4

Interface: USB

Dimensions: 270x130x270 mm (**transmitter**)

Dimensions: 270x130x270 mm (**receiver**)

Weight: $\approx 1,7$ kG (with the internal battery- **transmitter**)

Weight: $\approx 1,7$ kG (with the internal battery- **receiver**)

All geophysical equipment is widely and effectively applied in engineering researches.



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