

Electrotest-S/USB Resistivity System



Within last 6 years it is made and sold to customers about 200 devices of this series.

Features

The low-cost and effective device for carrying out of engineering researches. Combined Resistivity **Transmitter** and **Receiver** - all in one case. Micro-processor controlled and LCD 16x2, the keyboard 4x4, internal flash memory, interface USB

Wide variety of applications whether your application is **groundwater**, environmental, archaeology or resource exploration.

Hydrogeological researches, such as **groundwater** exploration, migration of ground **water** pollution.

Successful use of the **Electrotest-S/USB** in complex conditions of city.

Generation and receiving of signals from 0 Hz up to 20 Hz.

Any types of electrodes.

Internal charger.

Internal battery.

Operating temperature: -20°C to +55°C, (waterproof)

“Electrotest-S/USB” specifications

Output Power: up to 30 W

Output Current: 0,5...200mA

Maximum Output Voltage (**transmitter**): up to 300 V

Input Impedance: 10 MΩ

Input Voltage Range: up to 10 V

Input Resolution: 10 μV

Dynamic Range: 84 dB

Frequencies of measurement: 0; 0.625; 1.25; 2.5; 5.0; 10.0; 20.0 Hz;

Range of definition of parameter **q**, the Ohm within the limits of $5 \cdot 10^{-3} \div 3.86 \cdot 10^3$

SP Compensation: 0 to 1 V, automatic

Stacking of a signal: 2, 4, 10 the periods

Overall Accuracy: +/- 1...1,5 %

Environmental: IP67 environmental protection (waterproof)

Memory Capacity: 2048 (or 4096) readings

Interface: USB

Operating Temperature: -20°C to +55°C

Power Supply: Rechargeable dry lead acid batteries (=12V)

Connection of the external battery

Dimensions: 305x270x194 mm

Weight: ≈ 7 kG (with the internal battery)

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



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