

Geophysical Equipment

Geotech Borehole Resistivity System

The Geotech Borehole Resistivity System is a rugged, portable, hand-operated downhole logger which measures both apparent resistivity and the natural self-potential (SP).

Applications include mineral exploration, subsurface mapping (isopachs), locating fresh and salt-water bearing information; lithologic and structural correlation between wells, and well construction.

FEATURES

- Measures both resistivity and self-potential (SP)
- Resistivity is read in a range of 0-10,000 ohm-feet
- Self-potential is read in a range of 1-1,000 millivolts, positive or negative
- Battery powered readout instrument, and indicator for resistivity and SP in a rugged water tight case
- 500 feet (152 m) of four-conductor downhole logging cable mounted on a portable hand reel
- 1" (2.5 cm) diameter probe assembly
- Two single-conductor insulated surface lines on storage reels



SPECIFICATIONS

Instrument:

Current	9 milliamps
Resistivity	DC, null-reading meter; 0-10,000 ohm-feet readable within $\pm 0.10\%$ full scale
Self-Potential	Range, 0-1,000 millivolts, positive or negative
Batteries	Six 9-volt transistor batteries; one C-cell battery
Dimensions	7" x 16" x 12" (18cm x 41cm x 30cm)
Weight	13 lbs. (6 kg)

Cable:

Surface Type	Two single conductor insulated wires with connectors on cable storage reel
Dimensions	50 feet (15m) long (each)
Net Weight	2.5 lbs. (1 kg)
Downhole Type	4-conductor, 1/4" (6.3mm) diameter, 500' (152m) length

Reel:

Construction	Powder coated steel
Dimensions	13" x 12" x 15" (33cm x 30cm x 38cm)
Weight	30 lbs. (13.6 kg)

Probe Assembly:

Type	One 1" (2.5cm) diameter current electrode and three potential electrodes mounted on 15 feet (4.5m) of cable with waterproof in-line connector for attaching to logging cable
Weight	1.5 lbs. (.68 kg)
System Weight	47 lbs. (21 kg)

CALL GEOTECH TODAY (800) 833-7958

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