



BEP-03 COMBINATION BOREHOLE PROBE

DESCRIPTION

The BEP-03 is a combination probe designed to measure a wide range of physical rock properties in a borehole. The probe is equipped with the following sensors:

- ❖ Induction Conductivity sensor
- ❖ 16" & 48" normal resistivity arrays
- ❖ Temperature sensor

The BEP-03 is controlled by an on-board microprocessor, which can sample up to 10 separate sensors at a rate of 2 Hz with up to 24 bits of resolution. The sensors and the electronics is contained in a non-magnetic, non-conductive housing that is pressure rated to 2000 meters.

The BEP-03 is compatible with the BIN-04 digital data interface and IFG Corporation's standard 4 conductor logging cable.

The BEP-03 is an effective way to obtain a number of geophysical logs in a single survey run. The probe provides the measurement of inductive conductivity, galvanic resistivity and high sense temperature. The inductive conductivity sensor measures the conductivity of the rock. The high sense temperature logs can be applied for fracture mapping and water flow determination.

SENSOR	TYPE	RANGE	SENSITIVITY
Conductivity	Induction	1 to 10 ⁶ ppm	1 ppm
Resistivity	16" & 48"	0 to 50,000 ohm-m	10mSi
Temperature	Thermistor	0 to 50°C	0.0001°C



BEP-01 COMBINATION BOREHOLE PROBE

PROBE SPECIFICATIONS	
Electrodes	Naval brass
Housing	High strength filawounds tube
Maximum Depth	2000 meters
Connection	4 pin connector (Gearhardt Owen)
Temperature Range	Storage; -35 to +70°C Operating: 0 to +70°C Extended: 0 to +125°C
Sampling Rate	2 Hz
Output	10mA current loop, 4800 baud
Supply Voltage	24VDC @ 5W (at probe header)
Dimensions	42mm diameter x 2.1 meter long
Weight	5.6 kg