

Poly Induction Probe

Geonics

EMP-2493

Measurement Parameters & Applications:

The Induction tool utilizes a set of transmitter and receiver coils to measure formation conductivity at a maximized depth of investigation (1/2 meter or 19 inches). Induction probes are designed to work in more conductive environments than resistivity probes. This conductivity is converted to resistivity, which can be used to identify lithology. It also works in gas-filled boreholes and can read through PVC casing.

Operating Constraints:

Maximum pressure 3250 PSI
Operation temperature range 0 to 50 degrees C, 32 to 122 degrees F
Borehole constraints..... Open hole or PVC casing, air, gas or fresh mud filled

Dimensions:

Length..... 66.9 in., 170 cm
Diameter 1.44 in., 3.65 cm
Weight 7 lbs, 3.2 kg

Coil Assembly:

Number of coils..... Self contained dipole transmitter and receiver
Spacing..... ILM = 19.7 in., 50 cm
Frequency..... 39.2 KHz
Conductivity/Resistivity range..... 5 mmhos/m - 5 mho/m, 200 ohm-m – 0.2 ohm-m
Conductivity/Resistivity accuracy..... 5% of full scale
Radius of investigation..... 3.9 – 11 in., 10 – 28 cm