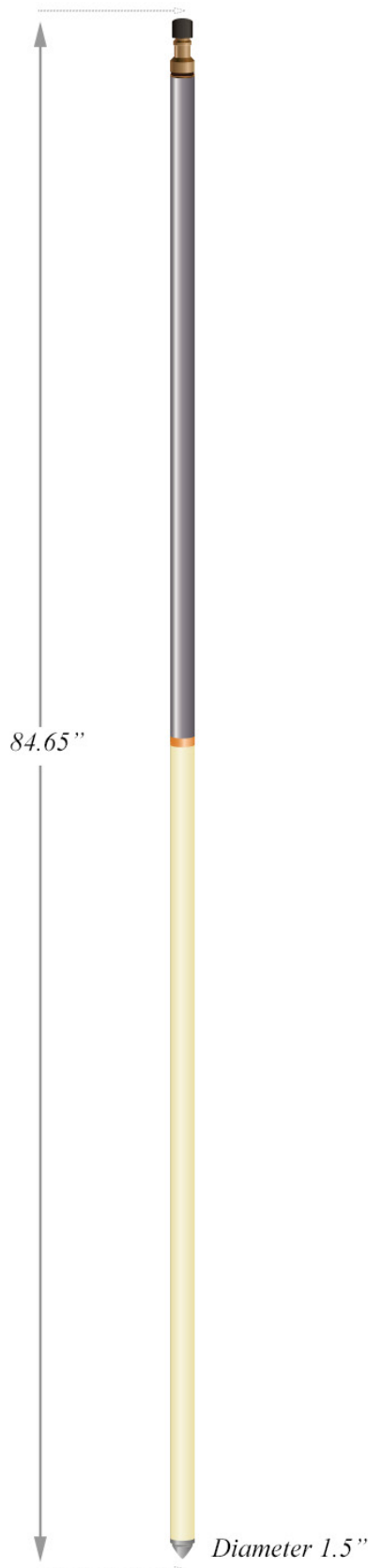




Description: The DIL38 induction conductivity probe is an instrument that generates an electromagnetic field in the vicinity of the borehole and measures the response of the formations to this applied field. The probe acquires in-phase measurements on both long (CILD) and medium spacing (CILM) receivers and subsequently digitizes these measurements, which are then transmitted to the surface equipment. This process facilitates the acquisition of formation conductivity and reciprocal resistivity data, even in dry or PVC-equipped boreholes. The probe's design, which includes a relatively low operating frequency and a coil array configuration, is intended to minimize borehole effects while maximizing both the depth of investigation and the vertical resolution. Additionally, the probe is equipped with a natural gamma detector, which can be utilized to provide supplementary lithological information or for correlation.

SPECIFICATIONS

Diameter: 38 mm / 1.5"
Length: 2150 mm / 84.65"
Weight: 6 kg / 13.23 Lbs.
Max Operating Temperature: 70°C / 158°F
Max Pressure Rating: 200 Bars / 2900 psi

Data / sensor parameters

CILD effective spacing: 810 mm / 31.9"
CILM effective spacing: 510 mm / 20"
Operating frequency: 39.1 kHz
Measuring range (cond.): 0.2 to 5500 mmho/m
Measurement resolution: 0.25 mmho/m
Effective range (resistivity): 0.2 to 200 ohm/m

Accessory

Natural Gamma detector:
Crystal Dimensions: 25x50mm NaI (TI)

Borehole conditions

Dry or fluid-filled borehole
Open or PVC-cased borehole (non-metallic casing.)

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