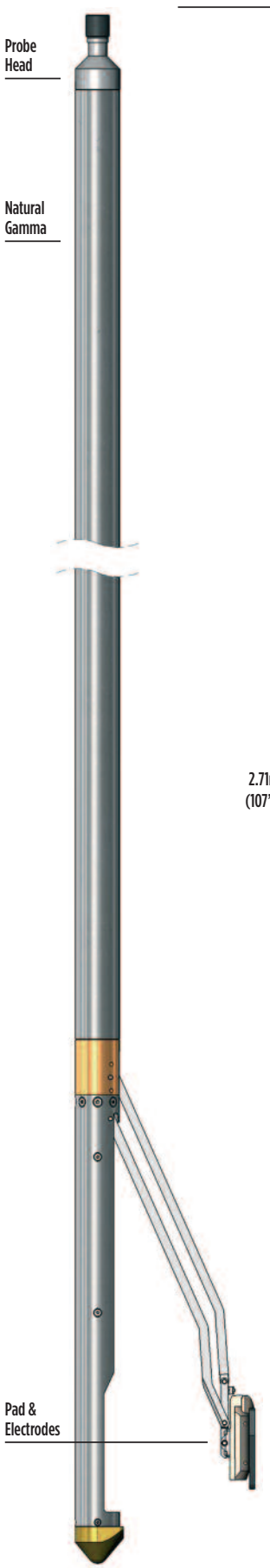


PROBES

MICRORESISTIVITY



The Microresistivity probe provides a focussed pad resistivity measurement with high vertical resolution combined with a caliper and natural gamma.

Principle of Measurement:

The resistivity measurement is based on the guard principle where a ring electrode maintained at the same potential as the central measurement electrode focusses the measure current into a narrow beam. The electrodes are contained within a flexible pad mounted on a motor-driven arm and maintained in contact with the borehole wall during logging. The same arm also operates the caliper mechanism. A natural-gamma measurement is included to aid correlation with other logs.

SPECIFICATION:

Features

- Small electrode spacing for high resolution
- Pad design minimises borehole effects

Measurements

- Focussed microresistivity
- Caliper
- Natural Gamma

Applications

Minerals / Water / Engineering

- High-precision bed boundary and thickness determination
- Resolution of seam partings
- Invasion profile (in combination with other resistivity methods)

Operating Conditions

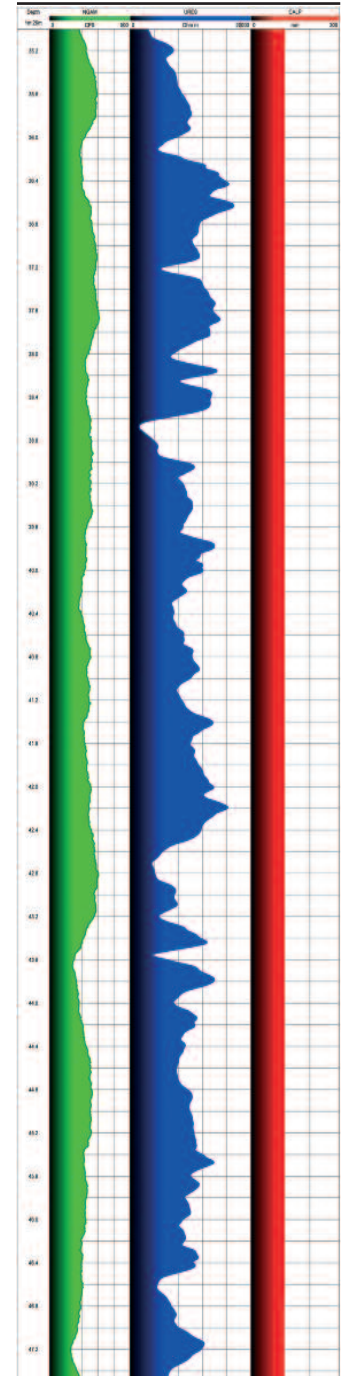
- Borehole type: open-hole, water-filled
- Centralisation: excentralised with caliper arm

Specifications

- Diameter: 58mm
- Length: 2.71m
- Weight: 23kg
- Temperature: 0-70°C (extended ranges available)
- Max. pressure: 20MPa
- Resistivity range: 0.2 to 2000 ohm-m
- Caliper range: 58mm to 400mm

Part Numbers

- 1002084 Microresistivity probe with natural gamma



Examples of logging data

Scan the QR code to go directly to www.robertson-geo.com

