



GEOPHYSICAL LOGGING PROBES

Spontaneous Potential (SP)

SPP

MEASUREMENT PRINCIPLE

Spontaneous Potential (SP) is measured with an insulated bridle attached to the dual laterolog probes and an earthing stake at the surface. The SP is a measure of the voltage change between an electrode in the insulated bridle and the surface earthing stake.

Ideally suited for:

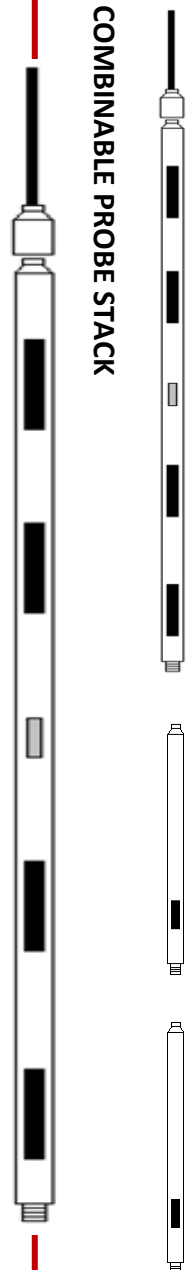
- Coal, iron ore and uranium exploration.
- Groundwater investigations.

Operations & Calibration:

- Minimum borehole diameter of 50mm.
- Fluid filled borehole.
- Open borehole conditions.
- Typically recorded in a downhole logging direction at logging speeds of 5 – 7 m/min.
- Final curve units can be counts per second, millivolts.
- Calibration via resistivity/SP calibration jig.
- Insulated bridle on top of DLL3 probe.

SINGLE PROBE RUN

COMBINABLE PROBE STACK



PHYSICAL SPECIFICATIONS

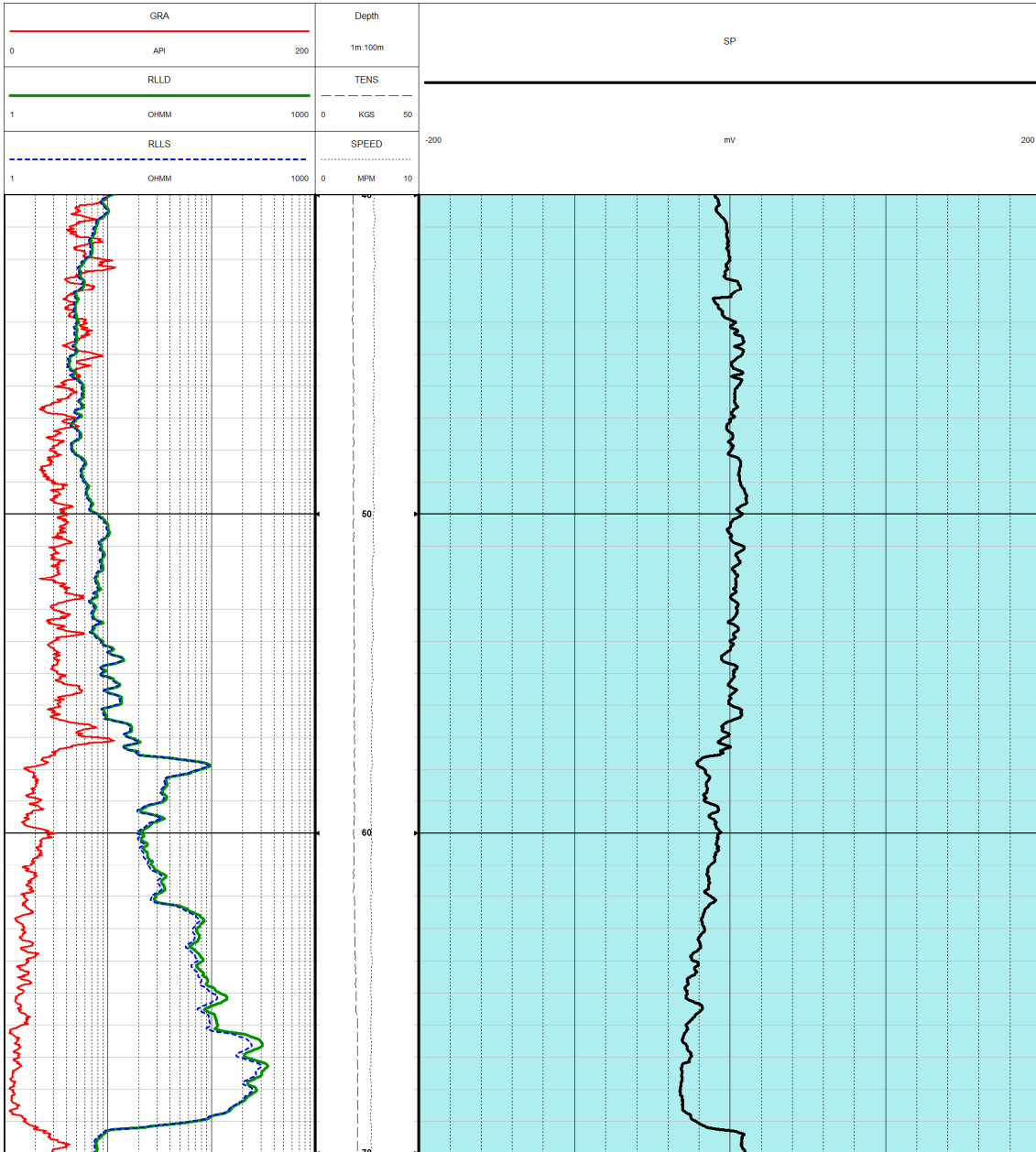
Weight	5.0kg
Length	5.0m or 10.0m
Diameter	38mm
Resistivity	-2.5 to +2.5 Volts
Maximum Pressure	20 MPa
Maximum Temperature	80°C



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