



**GEOPHYSICAL LOGGING PROBES**

# Dual Laterolog (Focused Resistivity)

DLL3

**MEASUREMENT PRINCIPLE**

The dual laterolog (focused resistivity) probe forces electrical current to flow into the formation as a “sheet” perpendicular to the probe. The “sheet” form of the electrical current allows deep penetration into the formation and a resolution of thin horizons in the formation allowing excellent values of true formation resistivity to be measured and thin beds thickness to be identified.

The dual laterolog provides short (RLLS) and deep focussed (RLLD) resistivity curves which have much greater vertical resolution of boundaries compared to traditional resistivity probes. The probe has a large dynamic measurement range.

**Ideally suited for:**

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

**Operations & Calibration:**

- Minimum borehole diameter of 50mm.
- Fluid filled borehole.
- Open borehole conditions.

Typically recorded in an uphole logging direction at logging speeds of 5 – 7 m/min.  
(Downhole logging can be recorded for QA purposes)

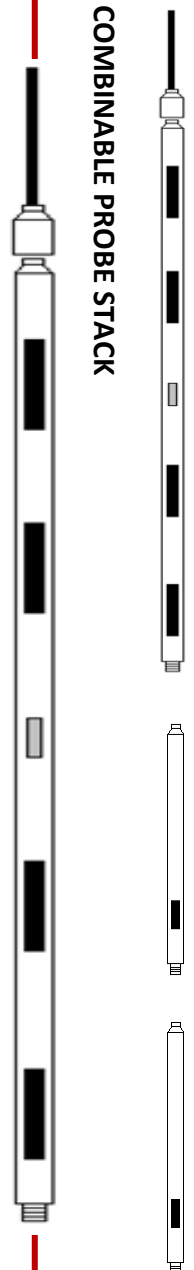
Final curve units can be counts per second, ohm-metres (OHMM) .  
Calibration via resistivity calibration jig.

Typically run with an insulated bridle if Spontaneous Potential (SP) required.

Probes can be stacked to the bottom of the probe. Typical combinations are:  
Gamma, gamma & magnetic deviation, magnetic susceptibility, dual induction.

SINGLE PROBE RUN

COMBINABLE PROBE STACK



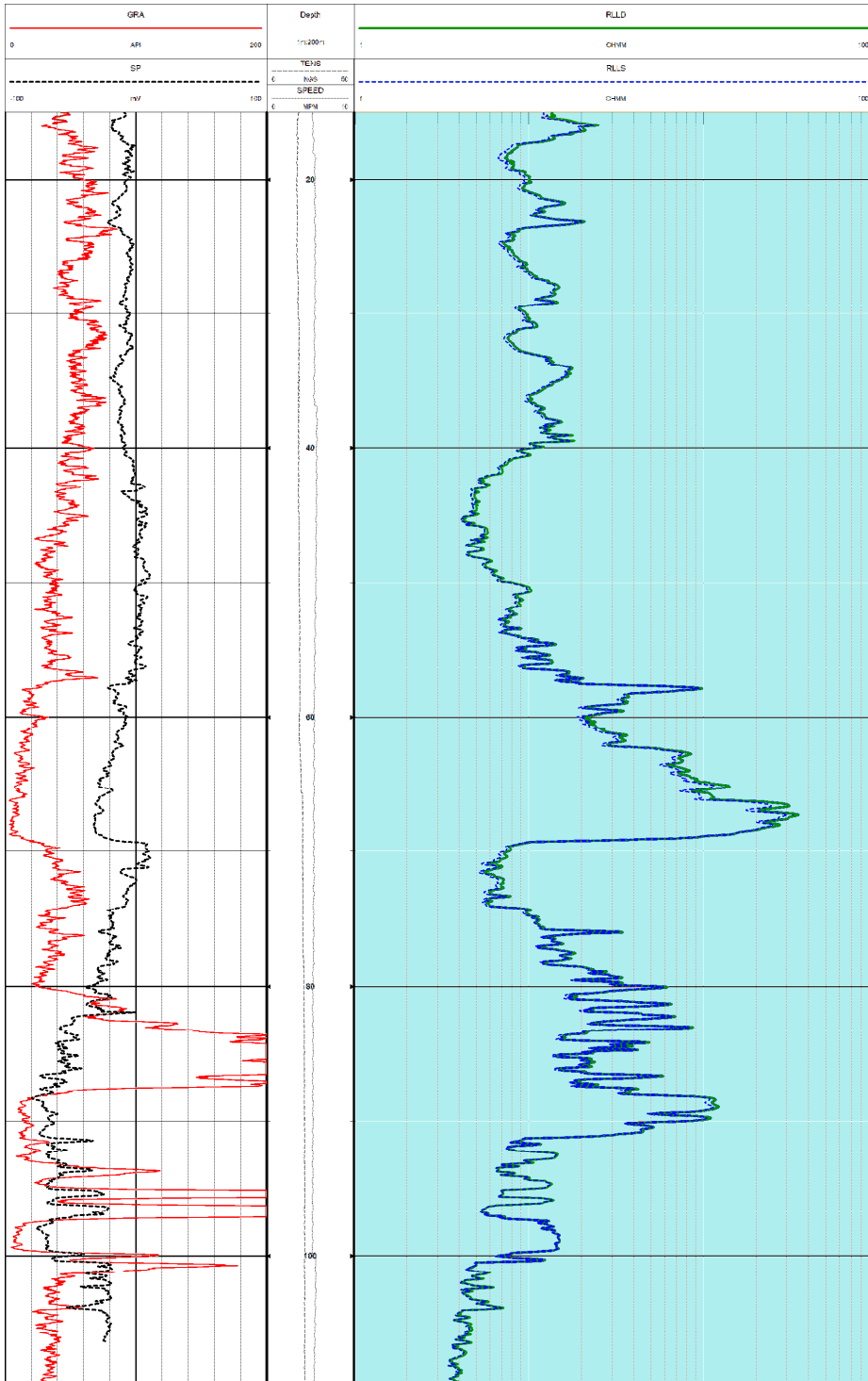
PHYSICAL SPECIFICATIONS	
Weight	8.0kg
Length	2.37m
Diameter	38mm
Resistivity	1—10000 OHMM
Maximum Pressure	20 MPa
Maximum Temperature	80°C



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