Defining Your Resource

Borehole Wireline

GEOPHYSICAL LOGGING PROBES

Dual Induction (Conductivity)

EM50

MEASUREMENT PRINCIPLE

The dual induction/conductivity probe generates an electromagnetic field in the vicinity of the borehole and measures the response of the formation to this applied field.

Medium and deep induction/conductivity curves are recorded. The probe can operate in either air filled or fluid openhole boreholes as well cased PVC cased boreholes. The optimum probe operating conditions is in high conductivity (low resistivity) formation.

Ideally suited for:

Groundwater investigations – saline monitoring.
Iron ore exploration and mining.
Contamination studies.
Base metals exploration and mining.

Operations & Calibration:

Minimum borehole diameter of 50mm.
Air and/or fluid filled borehole.
Open borehole and/or PVC cased borehole.

Typically recorded in an uphole logging direction at logging speeds of 7 – 8 m/min.
(Downhole logging can be recorded for QA purposes).

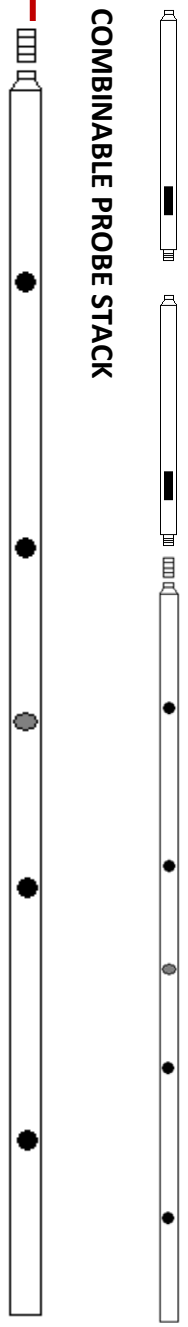
Final curve units can be counts per second, milli siemens per metre, milli-mohms per metre.
Calibration via conductivity rings.

Probes can be stacked to the top of the probe. Typical combinations are:

Gamma, gamma & magnetic deviation, dual laterolog.

SINGLE PROBE RUN

COMBINABLE PROBE STACK



PHYSICAL SPECIFICATIONS	
Weight	5.0kg
Length	1.70m
Diameter	45mm
TX-RX Spacing	15cm & 40cm
Frequency	25 kHz
Conductivity range	1—3000 mS/m
Maximum Pressure	20 MPa
Maximum Temperature	80°C

ISO 9001 www.intlcert.com

AS/NZS 4801 www.intlcert.com

ISO 14001 www.intlcert.com

SOCIALLY RESPONSIBLE BUSINESS
Proud Supporter of Junction Australia

Borehole Wireline 781 South Road, PO Box 21 Black Forest SA 5035, Tel + 61 8 8351 3255

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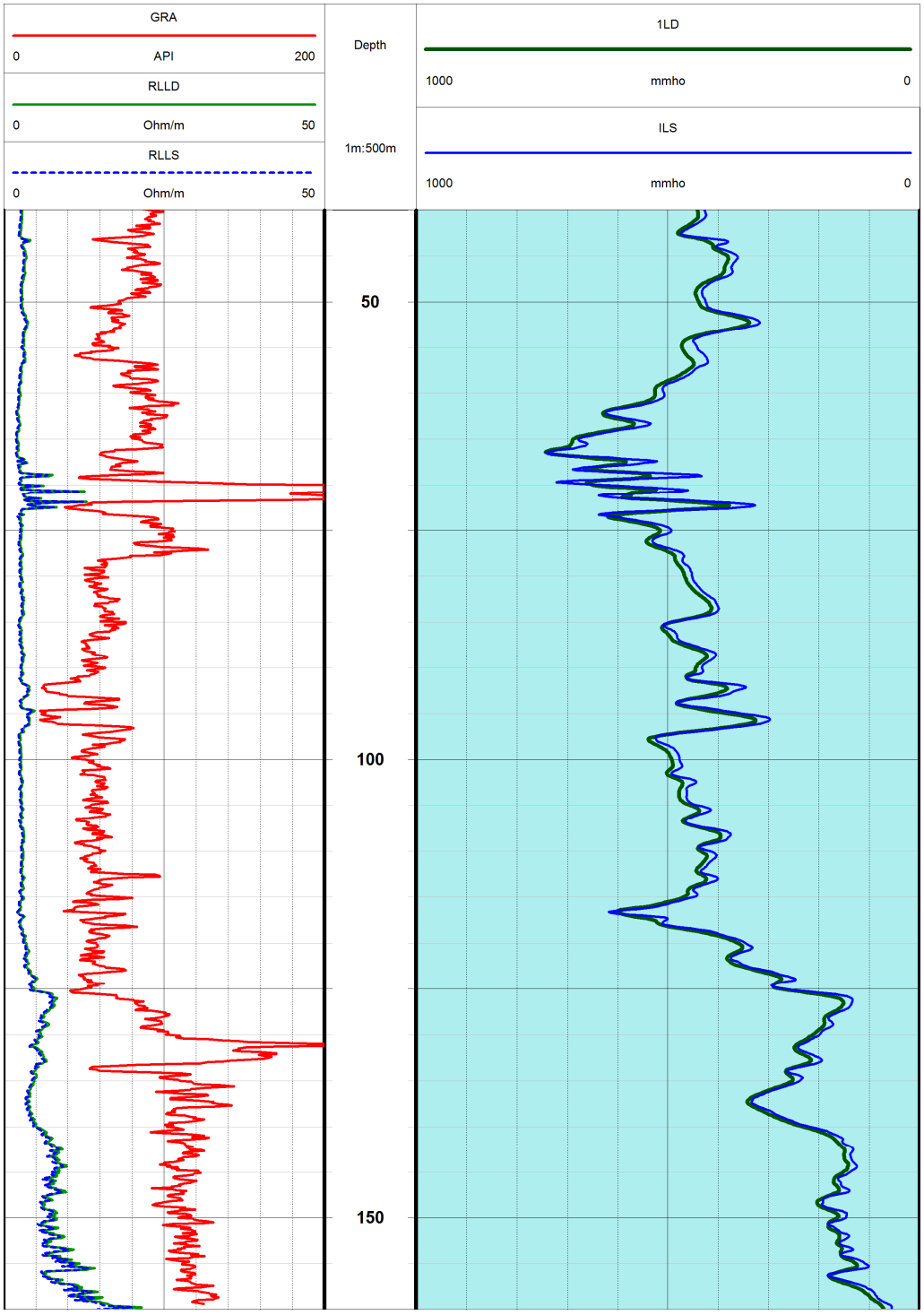

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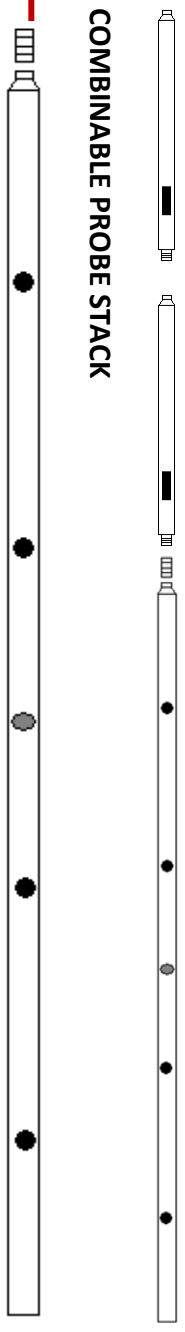

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