semm Logging
WELL LOGGING SERVICES

2 ½" Product Line

Dual Induction Log

The Dual Induction instrument presents deep and medium investigation resistivity curves calculated from conductivity measured by the tool. Transmitter coils induce an electromagnetic field in and around the borehole. Variation in the field, detected by the receiver coils, corresponds to variations in the conductivity in the formation adjacent to the tool. Corrections are applied to remove the borehole effects. The log is most suitable in high-resistive mudsystems, e. g. oil-based and freshwater mud or air-filled holes.

Diameter:	63.5 mm	(2.5")
Length:	2120 mm	(83.5")
Weight:	20 kg	(44 lbs)
Max. Temp:	150°C	(300°F)
Max. Pressure:	100 MPa	(15 000 psi)

Telemetry required:	yes
Top Connector:	yes
Bottom Connector:	none

Transmitters:	Multi Coil Array
Receivers:	Single Coil

Measure Points (from bottom):

Deep:	680 mm	(26.7")
Medium:	475 mm	(18.7")

Measuring Parameters

Measuring Range:
CILD (Deep), CILM (Medium):
10 mS/m - 2000 mS/m (mmho)

Accurracy:
CILD (Deep), CILM (Medium):
10 mS/m (mmho): +/- 25%
2000 mS/m (mmho): +/- 5%

Logging parameters

Recommended

Min. Hole Diameter: 100 mm	(3.9")
Max.Hole Diameter: 250 mm	(9.8")

Recommended
Logging speed: 25 m/min (5000 ft/hr)

Standard Displayed Curves

RILD in Ohmm	Deep Induction Resistivity
RILM in Ohmm	Medium Induction Resistivity

Combinability

With all 2½" open hole instruments and 3⅜" open hole instruments
Must be the bottom of the tool string

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