



2 1/2" Product Line

Dual Laterolog

The Dual Laterolog instrument is designed to measure formation resistivities in boreholes with conductive mud systems. An array of electrodes in the tool together with IsoSubs are configured to achieve resistivity measurements with two different depths of investigation (Deep and Shallow Laterolog resistivities). The return electrodes are positioned far away from the emitting electrodes in the tool string to allow for deep penetration of the formation. No bridle is required. A Spontaneous Potential is also measured.

Specifications			
Diameter:	63.5 mm	(2.5")	Sensor: Electrode Array
Length : (w/ bot. elec)	6900 mm	(271.7")	Measure Points from bottom, base config: RDeep, RShallow: 3990 mm (157.1")
Weight:	80 kg	(178 lbs)	
Max. Temp:	175°C	(350°F)	on IsoSub below cablehead SP 12 900 mm (507.9")
Max. Pressure:	140 MPa	(20 000 psi)	
Telemetry Required:	yes		
Top Connector:	yes		
Bottom Connector:	yes		

Measuring Parameters

<u>Measuring Range:</u>	<u>Accuracy:</u>
RDeep, RShallow: 0 to 40 000 Ohmm	RDeep, RShallow: ±5 % (between 0.2 and 2000 Ohmm)
SP: -1000 mV to 1000 mV	SP: ± 10 %

Logging parameters	
Recommended	Recommended
Min. Hole Diameter: 100 mm (3.9")	Logging Speed: 25 m/min* (5000 ft/hr)
Max. Hole Diameter: 250 mm (9.8")	
* @ data spacing 100 mm (4")	

Displayed Standard Curves	
RD or RDeep in Ohmm	Deep Resistivity
RS or RShallow in Ohmm	Shallow Resistivity
SP in mV	Spontaneous Potential

Combinability

With all 2 1/2" open hole instruments and 3 3/8" open hole instruments

