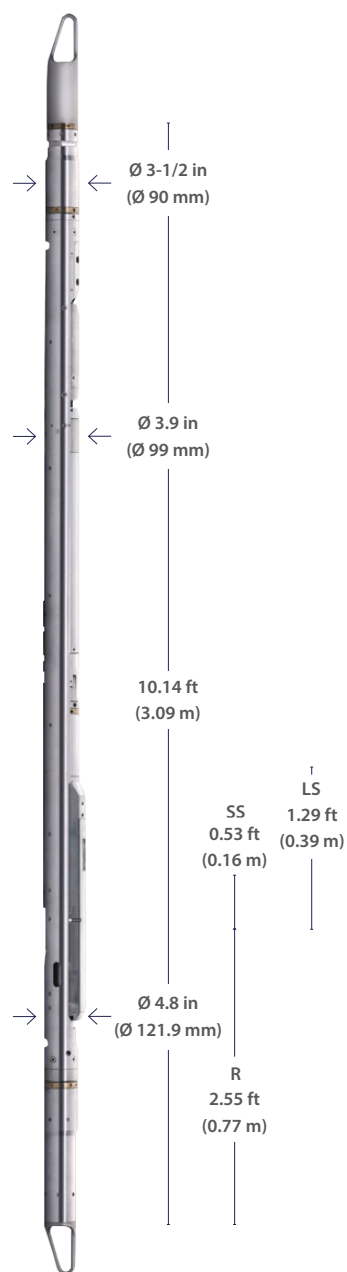




# LITHO DENSITY LOGGING TOOL (LDLT)

GOWell's **Litho Density Tool** is part of the Gallop Suite, and provides accurate bulk density (RHOB) and photoelectric effect (PE) measurements for formation porosity evaluation, and lithology identification.

Lithology tools are extremely important as they provide a clear picture of the feasibility of a particular well, which allows the user to adjust and maximize production accordingly. Dual detectors allow mud cake corrections to be applied, and a caliper measurement is also provided.



LDLT

## FEATURES

- Combinable with other Gallop tools
- Single axis caliper measurement provided
- Measurements provided in a wide range of borehole sizes
- Utilizes a dual spectrum detector to compensate for mud cake thickness in order to obtain accurate formation density

## APPLICATIONS

- Formation porosity (RHOB)
- Formation lithology evaluation (PE)
- Generates synthetic seismic traces
- Gas detection and shale identification combined with Neutron log

## PAD SECTION





# LITHO DENSITY LOGGING TOOL (LDLT)

## SPECIFICATIONS

	LDLT
<b>GENERAL SPECS</b>	
Maximum Pressure	20,000 PSI (140 MPa)
Maximum Temperature	350 °F (175°C)
Maximum Hole Size	21 in (533.4 mm)
Minimum Hole Size	6 in (152.4 mm)
Diameter	4.8 in (121.9 mm)
Length	10.14 ft (3.09 m)
Weight	282 lbs (128 kg)
Max. Logging Speed	30 ft/min (9 m/min)
<b>BOREHOLE CONDITIONS</b>	
Borehole Fluids	Any
Tool Position	Eccentralized
<b>HARDWARE FEATURES</b>	
Voltage	220 Vac, 50 Hz
Current	120 mA
Source Type	1.5 Curie Cs 137 Gamma Source
Sampling Rate	10, 20, 40 samples/m selectable
<b>MEASUREMENT</b>	
Principle	Nuclear
Minimum	RHOB: 1.3g/cm <sup>3</sup> - PE: 1.0 B/e
Maximum	RHOB: 3.0g/cm <sup>3</sup> - PE: 6.0 B/e
Vertical Resolution	10 in (254 mm)
Depth of Investigation	3 in (76 mm)
Accuracy	RHOB: ± 0.025g/cm <sup>3</sup> - PE: ± 0.2 B.e - CAL: ± 0.3 in
Primary Curves	RHOB, PE, CAL