



TECHNICAL SHEET			
OIL FIELD	TELEMETRY MODULE	SLIM-2.5"	
Generality			
<p>The telemetry module is the topmost acquisition tool in the stack, just after the DHT module. Its main function is to collect and combine digital data from all other tools and to transmit this in a digital form via the logging wireline to the surface acquisition system. It also provides control functions and tool power to the other logging tools.</p> <p>All tools in the stack communicate with the telemetry module over a common internal RS485 data bus. The telemetry module organises this data and transmits it to the surface using proprietary high-speed protocol. Data is acquired on a depth basis with a sample interval selected to optimise measurement resolution/logging speed.</p>			
Measurements and applications			
Natural gamma	Lithology indication Shale measurement Bed-boundary/ bed-thickness measurement Correlation between logs and wells		
Mud resistivity	Correction of resistivity/ conductivity logs		
Casing collar locator	Location of casing joints and shoe Depth correlation between cased-hole logs		
Borehole tilt	QA of borehole construction Bed thickness correction		
Technical specifications			
Length	2.93m (115")		
Diameter	63 mm (2.5")		
Weight	35 kg (77LB)		
Max. operating temp.	125° C		
Max. operating pressure	86 MPa (12,500psi)		
Operating conditions	Open-hole 102 mm (4") to 305 mm (12") diam.		
Sensor Array			
Inclinometer	Triaxial Accelerometer		
Inclination accuracy	0.1 °		
Natural gamma detector	101 mm x 38 mm NaI(Tl) Scintillation crystal		
Mud resistivity device	4-electrods array		
Radius of investigation	Not applicable		

CCL

Inclination

2930 mm

Gamma

Mud Resistivity