



3 3/8" Product Line

Downhole Tension & Mud Data Sub

The Downhole Tension and Mud Data Sub provide a series of information. It measures the tension and compression at the cable head and it records continuously the borehole temperature and mud resistivity. The sub can be run as part of every tool string and is placed just below the cable head and above the digital telemetry. It can be logged in any kind of mud system.

Specifications					
Diameter:	86 mm	(3.39")	Sensors:		
Length:	1483 mm	(58.4")			
Weight:	41 kg	(90 lbs)			
Max. Temp:	175°C	(350°F)	Measure Points (from bottom):		
Max. Pressure:	140 MPa	(20 000 psi)			
Telemetry required:	yes				
Top Connector:	yes		Tension:	984 mm	(38.7")
Bottom Connector:	yes		Mud Resistivity:	865 mm	(34.1")
			Temperature:	787mm	(30.9")



Measuring Parameters:

Measuring Range:

Tension:	± 90 kN (± 20 000 lbs)
	Max. Load (Push/Pull)
Temperature:	-5 to 180°C (23 to 356°F)
Mud Resistivity:	0.01 to 20 Ohmm

Accuracy:

Tension:	± 1 %
Temperature:	± 1 % fs
Mud Resistivity:	± 5 %

Logging Parameters

Recommended

Min. Hole Diameter:	125 mm	(4.9")
Max. Hole Diameter:	550 mm	(21.7")

Displayed Standard Curves

CHT in N or lbf	Cable Head Tension
BHT in °C/°F	Borehole Temperature
RMud in Ohmm	Mud Resistivity

Combinability

With all other 3 3/8" instruments