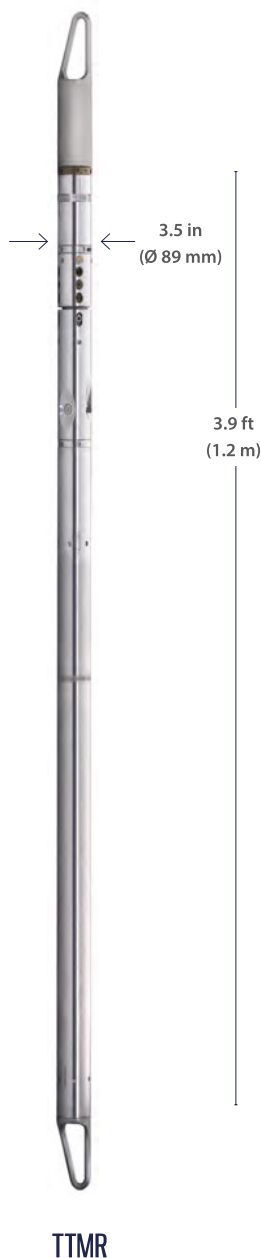




TEMPERATURE TENSION MUD RESISTIVITY (TTMR)

TTMR logging tool consists of the sensor and electronic circuit section. TTMR is on the top of the tool string, and connected with cable head by 10-conductor, and also could be connected with any downhole tool which is compatible with telemetry.



FEATURES

- Combinable with Gallop TIGR
- TTM section includes temperature and resistivity sensors, tension and pressure balance piston
- Can be used in both Open Hole and Cased Hole

APPLICATIONS

- Provides useful mud information
- Safe logging operations

SPECIFICATIONS

TTMR	
GENERAL SPECS	
Working Temperature	-25~+175°C
Storage Temperature	-40~+85°C
Max. Pressure	140MPa
Max. Torsion	100KG/M
Max. Compression	25t
Max. Tension	25t
Shock	50g 11ms
Vibration	5g 10~60Hz 3-D
Tool Length	1200mm
Tool Weight	43kg
OD	89mm
Logging Speed	600m/h
Mechanical Interface	Gallop downhole tool standard
Interface	Compatible with telemetry for combination logging
MUD RESISTIVITY	
Range and Accuracy	0.01Ω.m~5Ω.m ±5% measuring value 5Ω.m~50Ω.m ±10% measuring value
Resolution	0.01Ω.m or 1%
BOREHOLE TEMPERATURE	
Range	
Accuracy	±(1°C +1% measuring value) e.g. accuracy of 100°C is ±(1+100×1%)=± 2.0°C
Resolution	0.1°C
TENSION	
Range	-11339kg~+11339kg (-25000LBS~+25000LBS)
Accuracy	±150kg±5% measuring value (±330LBS±5% measuring value)
Resolution	5.54kg (±12.2LBS)