TELEMETRY / INCLINOMETER GAMMA RAY TOOL (TIGR)

GOWell's TIGR provides high-speed telemetry required to run all Gallop tools in combination. In addition to a high speed telemetry function, the tool includes a natural radioactivity measurement as well as relative bearing directional information.

TIGR62101 is a kind of downhole telemetry inclinometer and gamma ray tool of GALLOPSTAR logging system, it is mainly responsible for communication between surface and downhole tool, measurement of natural gamma ray. It has many characteristics such as built-in various sensors, shorter tool length, high integration, well stability, multicommunication interface.

APPLICATIONS

- Shale Volume Calculation
- Well to well geological correlation

FEATURES

- Combinable with Gallop tools
- High Uplink transmission rate
- TTM section includes temperature and resistivitysensors, tension and pressure balance piston
- Can be used in both Open Hole and Cased Holeconditions

TIGR

SPECIFICATION

	TIGR
INPUT POWER	
Working voltage e	220Vac±20% @ single phas
Frequency	47~63Hz
Max. current	100mA
Communication mode	Full/Half duplex
Coding mode	OFDM, AMI
Max. Uplink rate	1000 kbps (7km,7conductors)
Min. Downlink rate	25 kbps (7km,7conductors)
Cable type	7 conductors
Cable mode	Mode 2, mode 5, mode 7, others
Nature GR ray	0~2000API, ±3%
Cable head voltage	180~300Vac, ±3V
Tool internal temp	25~200°C±5°C
Tool deviation	0~180°C±0.5°C
Tool azimuth	0~360°C±1.5°C
Tool relative bearing	0~360°C±1.5°C
CAN2.0B	1Mbps, 2wire
PHYSICAL SIZE	
Diameter	90mm
Length	1450mm
GR measure point	360mm
Weight	27.0kg
Max working Temperature	175°C
Max working pressure	140Mpa
Max logging speed	600m/h