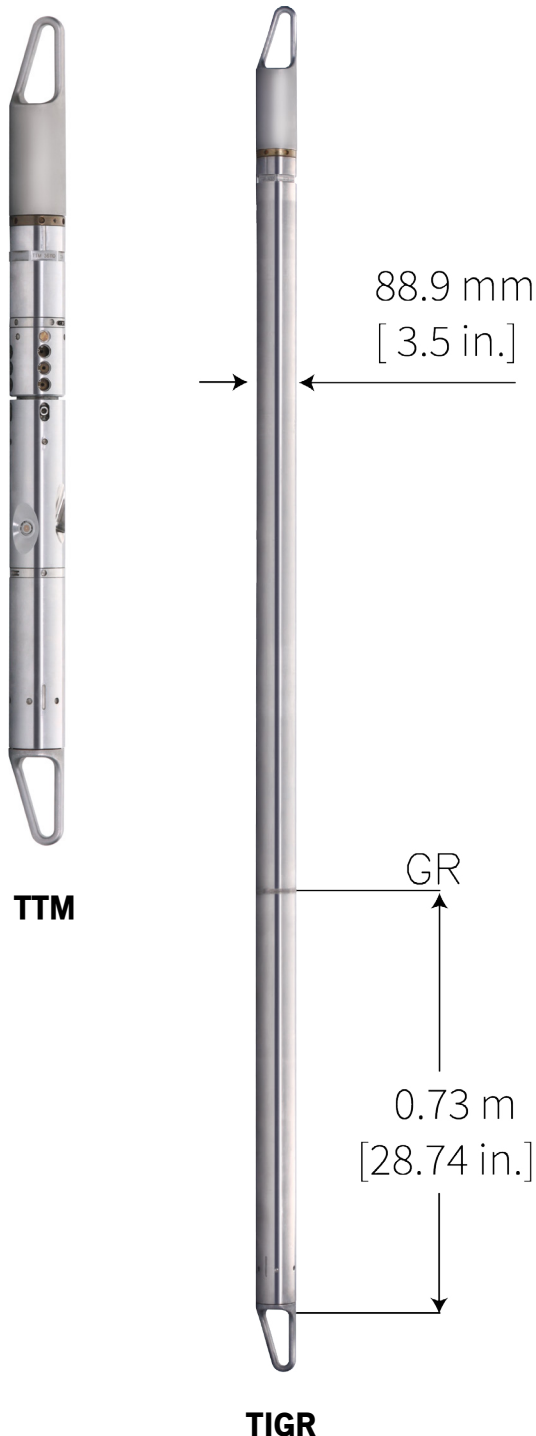


# Telemetry / Inclinometer Gamma Ray & TTM Tool

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.



## DESCRIPTION

The tool is composed of two sections – the TGR and the TTM sonde sections. The main application of this tool is to facilitate data communication between the downhole toolstring and the surface system.

Auxiliary measurements include toolstring tension, mud temperature, mud resistivity and Gamma Ray measurement.

## APPLICATIONS

- Shale Volume Calculation
- Provides useful mud information
- Well to well geological correlation

## FEATURES

- Combinable with Gallop tools
- High Uplink transmission rate
- TTM section includes temperature and mud resistivity sensors, tension and pressure balance piston
- Can be used in both Open Hole and cased Hole conditions

# SPECIFICATIONS

Telemetry/Inclinometer Gamma Ray & TTM Tool				
<b>General Specs</b>				
Maximum Pressure	20,305 PSI (140 Mpa)			
Maximum Temperature	350 °F (175°C)			
Maximum Hole Size	22.5 in. (571.5 mm)			
Minimum Hole Size	4.5 in. (121.9 mm)			
Diameter	3.375 in. (85.73 mm)			
Length	TIGR: 6.3 ft. (1.92 m) TTM: 3.9 ft. (1.2 m)			
Weight	169.8 lbs (77 kg)			
Detector Type	Scintillation Detector			
Max. Logging Speed	32 ft/min (9.75 m/min)			
<b>Borehole Conditions</b>				
Borehole Fluids	Any			
Tool Position	Any			
<b>Hardware Features</b>				
Voltage	220 Vac, 50 Hz			
Current	100 mA			
Sampling Rate	10, 20, 40 samples/m selectable			
<b>Measurement</b>	<b>GR</b>	<b>Deviation</b>	<b>Azimuth</b>	<b>Relative bearing</b>
Minimum	0 API	0°	0°	0°
Maximum	1500 API	180°	360°	360°
Accuracy	±3%	±0.5°	±1.5°	±1.5°
Primary Curves	GR (API)	DEV	AZI	RB

\*Specifications are subject to change as tools are constantly being improved