



TECHNICAL DATA SHEET

DPGC

Drill Pipe Gauge Carrier

The DPGC is a multi-functional memory logging tool designed to log gamma ray, CCL, fluid temperature and well pressure at up to 32 simultaneous samples/sec. The sensor tool is conveyed in the drill pipe gauge carrier and eliminates the requirement for an additional logging run.

The DPGC was developed by READ Cased Hole as a direct response to the specific needs of a client. It delivers a suite of ruggedized sensors that allows the operator to record fluid temperature, pressure, gamma ray and CCL response without the need to mobilise a wireline intervention setup and crew.

The DPGC allows ruggedised probes to be simultaneously run on drill-pipe whilst retaining pump through capability and high tension, compression and torque. This permits data collection without additional runs in hole, dramatically reducing not only operational and rig time costs but also the risk associated with increased crew numbers, had a separate wireline intervention been used.

APPLICATIONS:

- Deployed to capture temperature profiles to verify formation models.
- Deployed to capture GR and CCL to verify completion depths to openhole GR Logs.
- Deployed to capture pressure profiles to verify integrity of completion.

BENEFITS

- Reduced costs without the requirement for Wireline Intervention
- Improved HSE without the requirement for Wireline Intervention
- No additional runs in hole required
- Verification of tally
- Verification if Liner Hanger set with GR Pip Tag
- Verification of temperature curve before perforating
- 100% redundancy on each run ensures first class data integrity and reduced risk of NPT



Specifications

Temperature rating	347°F (175°C)
Pressure rating	15,000 psi (103.4 MPa)
Tool OD	5.6 in (142.24 mm)
Tool ID	1.90 in (48.26 mm)
Tool length	12.53 ft (3.819 m)
Tool make up length	12.20 ft (3.72 m)
Tool assembled weight	863 lb (391.45 kg)
NC38 make up torque	11,500 ft-lbs (51,154 Nm)
Tool tensile strength	169 KSI
Tool yeild strength	160 KSI
Temperature accuracy	±0.5°C
Temperature resolution	< 0.01°C
Pressure accuracy	±7.5 psi
Pressure resolution	< 0.01 psi
Gamma Ray	Sodium Iodide Scintillation Crystal
Materials	Corrosion resistant throughout