Technical Specification Sheet

Telemetry Gamma Ray & CCL - 2 3/4 in.

The Telemetry Gamma Ray & Casing Collar Locator (TGC003) is a combined Gamma Ray & CCL tool with a Telemetry Control Unit which provides a passive measurement of gamma radiation by means of a Sodium Iodine Scintillation Detector and identifies changes of metal thickness by means of a collar locator. The Telemetry Control Unit is the communications control center for the logging system. The tool controls the collection of data from the tools below and packages it for the transmission to the surface system.

Ratings & Dimensions

Max temperature	350°F (177°C)
Max pressure	15,000 psi (103.4 mPa)
Outer diameter	2.75 in (70.0 mm)
Length	47.69 in (1211.0 mm)
Weight	44.6 lb (20.2 kg)
Measure Points	**Gamma Ray:** 8.43 in (214.0 mm) **Casing Collar:** 39.92 in (1014.0 mm)
Materials	Corrosion resistant materials used throughout

Hardware Characteristics

Combinability	All HD tools (RADii, iQ, PL, RAS, etc)
Acquisition Mode	Real-time

TCU Electrical Specifications

Voltage	300 V DC
Current	Load dependent
Tool bus rate	500 kbps
Uplink rate	150 kbps
Downlink rate	16 kbps

Gamma Ray Measurements

Range	1-65,000 cps
Resolution	1 cps
Accuracy	10%
Sensitivity	(nominal) 1 count / API

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