Technical Specification Sheet

Gamma Gun - Geiger Muller - Dual Fire - 3 1/8 in.

The dual fire Gamma Gun is a ruggedized tool fitted with a Geiger-Muller detector on the lower section of the tool and a passive CCL at the top.

The tool is designed to be run with a Shooting Adapter at the bottom to suit the client's choice of gun system.

Ratings & Dimensions

Max Temperature	350°F (177°C) for 4 hours
Maximum Pressure	18,000 psi (124 MPa)
Outer Diameter	3.125 in (79.375 mm)
Length	55.68 in (1414.272 mm)
Weight	66.0 lb (29.94 kg)
Min Csg/Tbg OD	4.5 in (114.3 mm)
Max Csg/Tbg OD	11.75 in (298.45 mm)
Sensor Depth Offset	**Gamma Ray:** 21.0 in (533.4 mm) **Casing Collar Locator:** 63.0 in (1600.2 mm)
Tensile Strength	**Tension:** 60,000 lb **Compression:** 25,000 lb **Torque:** 150 lb ft (203 N-m)

Borehole Conditions

Borehole Fluids	No Restrictions
Tool Positioning	Centralized | Eccentralized

Measurements

	Gamma Ray	**Casing Collar Locator**
Sensor Type	Geiger-Muller detector	Dual Magnet, Center Coil
Detection Type	Gamma Radiation	Magnetic
Principle	Naturally Occurring Gamma	Magnetic Flux Variation
Range	0 to 5,000 cps	
Data Transmission	Analog, Pulse, + Polarity	Analog, Line Wobble, mV
Sampling Rate	4 to 10 samples/ft. (10 to 40 samples/meter)	
Logging Speed	**Maximum:** About 30 ft (9 m) /min to 45 ft (9 to14 m) /min	
Sensitivity	Approx. 1.6 cps /GAPI unit	NA

Electrical Specifications (while logging)

Operating Voltage	60V DC internally regulated
Operating Current	60 mA
Shooting Power	300V DC maximum, using only rollup method, do not dump-fire

Calibration

Primary	Approx. 1.6 cps/GAPI unit
Secondary	Thorium sleeve, API calibrated
Well-site Verifier	Thorium sleeve, API calibrated

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