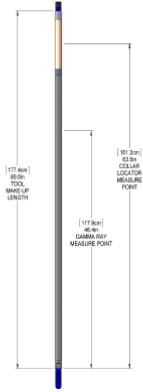


GAMMA GUN - SCINTILLATION - DUAL - HIGH TEMP - 1 11/16 IN.



SKU: 050-GG170-HTDF

Categories: [Cased Hole Wireline](#), [Gamma Guns](#), [Perforating](#), [PTX](#), [Well Intervention](#)

PRODUCT DESCRIPTION

This Gamma Gun utilizes a ruggedized thallium doped sodium iodide [NaI (TI) crystal] (3/4 in. x 4 in. diameter) detector with a 1 in. x 3 in. diameter photo multiplier tube (PMT), shock mounted inside the tool housing to provide maximum survivability in a perforating environment.

Ratings & Dimensions

Max Temperature	450°F (232°C) for 4 hours
Maximum Pressure	20,000 psi (138 MPa)
Outer Diameter	1.69 in (42.93 mm)
Length	69.8 in (1772.92 mm)
Weight	21.0 lb (9.5 kg)
Min Csg/Tbg OD	2.375 in (60.325 mm)
Max Csg/Tbg OD	7.0 in (178.0 mm)
Sensor Depth Offset	Gamma Ray: 46.4 in (1178.56 mm) Casing Collar Locator: 63.5 in (1612.9 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	Nal(Ti) Scintillation Gamma	Dual Magnet, Center Coil
Principle	Naturally Occurring Gamma	Magnetic Flux Variation
Sensor Spacing	Proprietary	
Sensitivity	Approximately 1.6 counts/API unit	
Range	0 to 5,000 cps	
Vertical Resolution	14.00 in (355.6 mm)	
Precision	5% at 100 GAPI at 15 fpm (4.6 m/min)	
Data Transmission	Analog, Pulse, + Polarity	Analog, Line Wobble, mV
Logging Speed	Maximum: About 30 ft (9 m) /min to 45 ft (9 to 14 m) /min	

Calibration

Primary	Approx. 1.0 cps/GAPI unit
Secondary	Thorium sleeve, API calibrated
Wellsite Verifier	Thorium sleeve, API calibrated

Electrical Specifications

Cablehead Voltage	60 V DC Internally Regulated
Instrument Current	60 mA
Shooting Power	300 VDC maximum, using only rollup method, never dumpfire

Version Control: 2022.02.28

On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.