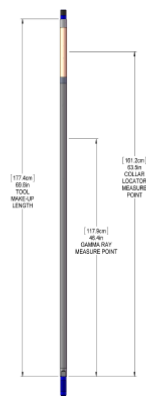


GAMMA GUN - SCINTILLATION - DUAL - HIGH TEMP - 1 11/16 IN.



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



<b>Sensor Type</b>	Nal(Ti) Scintillation Gamma	Dual Magnet, Center Coil
<b>Principle</b>	Naturally Occurring Gamma	Magnetic Flux Variation
<b>Sensor Spacing</b>	Proprietary	
<b>Sensitivity</b>	Approximately 1.6 counts/API unit	
<b>Range</b>	0 to 5,000 cps	
<b>Vertical Resolution</b>	14.00 in (355.6 mm)	
<b>Precision</b>	5% at 100 GAPI at 15 fpm (4.6 m/min)	
<b>Data Transmission</b>	Analog, Pulse, + Polarity	Analog, Line Wobble, mV
<b>Logging Speed</b>	<b>Maximum:</b> About 30 ft (9 m) /min to 45 ft (9 to14 m) /min	

Calibration

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

Electrical Specifications

<b>Cablehead Voltage</b>	60 V DC Internally Regulated
<b>Instrument Current</b>	60 mA
<b>Shooting Power</b>	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.***