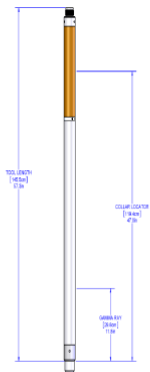


GAMMA GUN - SCINTILLATION - DUAL FIRE - 1 11/16 IN.



SKU: 050-GG170-10DF  
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	350°F (177°C) for 4 hours
Maximum Pressure	20,000 psi (138 MPa)
Outer Diameter	1.69 in (42.93 mm)
Length	60.3 in (1531.62 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: 9.0 in (228.6 mm) Casing Collar Locator: 47.0 in (1193.8 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

Sensor Type	Gamma Ray	Casing Collar Locator
Principle	NaI(Ti) Scintillation Gamma Naturally Occurring Gamma	Dual Magnet, Center Coil 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.***