

GRT-20

2-3/4" Gamma Ray Pulse Tool

Description

The DSS 2 3/4" Gamma Ray pulse Tool (GRT-20) measures the gamma radiation level of the formation derived from natural isotopes. It can be used as a depth correlation device between cased and open holes. This tool is comprised of a Sodium Iodide scintillation crystal and photo-multiplier tube which demonstrate high sensitivity and resolution. The GRT-20 outputs 25 µs pulses in response to gamma radiation within the well.

Applications

- Gamma radiation measurements.
- Depth correlation.
- Reservoir delineation.

Features

- Rated for High-temperature and high-pressure environments.
- Scintillation crystal combined with a photomultiplier.
- Compatible with most surface systems.
- Runs on all standard wirelines.
- Power and telemetry are connected from top to bottom of the tool.
- Can be run by itself, or combined with most analog tools.
- Electronic design verified for 1 hour operation at 415°F to ensure reliability.
- Easy to service and maintain.
- Proudly designed and manufactured in Canada



Specifications

Tool Operating Voltage	90-150 VDC	Tool Length (make-up)	66.68 cm (26.25 in)
Tool Operating Current	20-25 mA	Tool Length (shipping)	74.93 cm (29.5 in)
Output Pulses Amplitude	Negative 7.5 VDC	Tool Weight	11.6 Kg (28 Lb)
Output Pulses Width	25 µS	Measurement Point from Top of Tool	43.35 cm (17.07 in)
Max. Pressure	172.4 Mpa (25,000 PSI)	Borehole Fluids	Oil - Fresh Water - Brine
Max. Temperature	204°C (400°F)	Top End Connector	Contact Socket Go Female
Tool Diameter - OD	69.85 mm(2-3/4 in)	Bottom End Connector	Contact Pin Go Male



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