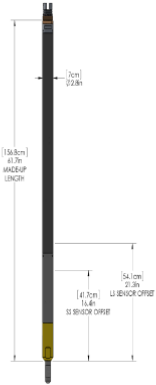


COMPENSATED NEUTRON TOOL - PTX - 2 3/4 IN.



SKU: 050-CN275-WSBL

Categories: [Cased Hole Wireline](#), [Formation Evaluation](#), [Neutron](#), [PTX](#)

PRODUCT DESCRIPTION

Ratings & Dimensions

| | |
|-------------------------------------|---|
| Max Temperature | 350°F (177°C) for 4 hours |
| Maximum Pressure | 20,000 psi (138 MPa) |
| Outer Diameter | 2.75 in (69.9 mm) |
| Length | 61.68 in (1566.67 mm) |
| Weight | 60 lb. (27.2 kg) |
| Min Csg/Tbg OD | 4.5 in (115.0 mm) |
| Max Csg/Tbg OD | 9.63 in (244.60 mm) |
| Tensile Strength¹ | Tension: 15,000 lb Compression: 15,000 lb |
| | Torque: 150 ft-lb |
| Measure Points | Near Detector (SS): 16.32 in (414.53 mm) |
| | Far Detector (LS): 21.36 in (542.54 mm) |

Borehole Conditions

| | |
|-------------------------|--|
| Borehole Fluids | Salt, Fresh and Oil |
| Logging Speed | Recommended: 35 ft/min (10.0 m/min) |
| | Maximum: 60 ft/min (18.2 m/min) |
| Tool Positioning | Centralized Eccentralized |

Hardware Characteristics

| | |
|--------------------------|---|
| Source Type | 15 Curie Am ²⁴¹ Be Neutron Emitter |
| Sensor Type | One He ³ Gas Detector Tube each |
| Sensor Spacing | Near Detector (SS): 17.5 in (444.5 cm) |
| | Far Detector (LS): 27.5 in (698.5 cm) |
| Transmission Rate | 20 frames /sec |

**Waveform
Combinability**

Digital Telemetry Data
GR, CCL (Required), RADii CBT, Digital CBT

Measurements

| | |
|----------------------------|--|
| Type | Neutron Porosity |
| Principle | Ratiometric Thermal Neutron Detection |
| Range | -3 to 60 porosity units |
| Vertical Resolution | Approximately 10 in (254 mm) |
| Depth of Invest. | Porosity dependent, 12 in or less (304.8 mm or less) |
| Accuracy (1SD) | ± 2% |
| Primary Curves | Neutron API Units Near & Far Detector Count Rates |
| Secondary Curves | Detector Count Rate Ratio |

Calibration

| | |
|--------------------------|---------------------------------------|
| Primary | University of Houston API Neutron Pit |
| Secondary | Neutron Calibration Tank |
| Wellsite Verifier | 350 µCi Active Verifier |

¹Strengths apply to new tools at 70°F (21°C) and 0 psi.

* This tool must be run in conjunction with a 2.75 in Digital Gamma Ray tool. It cannot be run alone.

Version Control: 2021.12.09

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