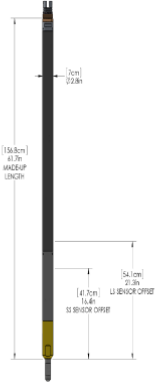


## COMPENSATED NEUTRON TOOL - PTX - 2 3/4 IN.



SKU: 050-CN275-WSBL

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

## PRODUCT DESCRIPTION

### Ratings & Dimensions

<b>Max Temperature</b>	350°F (177°C) for 4 hours
<b>Maximum Pressure</b>	20,000 psi (138 MPa)
<b>Outer Diameter</b>	2.75 in (69.9 mm)
<b>Length</b>	61.68 in (1566.67 mm)
<b>Weight</b>	60 lb. (27.2 kg)
<b>Min Csg/Tbg OD</b>	4.5 in (115.0 mm)
<b>Max Csg/Tbg OD</b>	9.63 in (244.60 mm)
<b>Tensile Strength<sup>1</sup></b>	<b>Tension:</b> 15,000 lb <b>Compression:</b> 15,000 lb
<b>Measure Points</b>	<b>Torque:</b> 150 ft-lb
	<b>Near Detector (SS):</b> 16.32 in (414.53 mm)
	<b>Far Detector (LS):</b> 21.36 in (542.54 mm)

### Borehole Conditions

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

### Hardware Characteristics

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

**Waveform  
Combinability**

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

**Measurements**

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

**Calibration**

<b>Primary</b>	University of Houston API Neutron Pit
<b>Secondary</b>	Neutron Calibration Tank
<b>Wellsite Verifier</b>	350 µCi Active Verifier

<sup>1</sup>Strengths 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

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