

2 3/4" Compensated Neutron Tool

Product Reference: 050-CN275-00XX

The Compensated Neutron tool uses dual, high-temperature, ruggedized He³ thermal neutron detectors to measure formation porosity through casing and cement.

This cased-hole tool uses a side load** 16 Cu. AmBe neutron source. When combined with a gamma ray and dual receiver or Radll™ cement bond tool, the data is multi-plexed with the Gamma Ray, CCL, and CBL data in a single pass in the well. The tool may also be run with the Gamma Ray/CCL Tool alone.

SPECIFICATIONS – 2 3/4" COMPENSATED NEUTRON TOOL

Diameter	2 3/4"	6.9 cm	Mechanical:	
Length	68"	1.72 m	Top Connection	6 pin Probe type
Weight	60 lb.	27.2 kg	Bottom Connection	Single pin GOI Blank
Operating Voltage	130 VDC			
Operating Current	45 mA. DC			

Limitations:

Maximum Pressure	20,000 psi	137.8 MPa
Maximum Temperature	350°F	177°C

RELATED PRODUCTS

- 05-GR275-0001 Gamma Ray/CCL (required)
- 035-B0052-6001 Sourceplay
- SOU-AM241-0015 Source
- 035-AM241-0021 Transport/Storage Container
- SOU-HTAMB-0030 Handling Tool

Note: Proper local or federal nuclear regulatory agency licenses and requirements must be met to possess and/or operate a chemical neutron source.

** Bottom load options are also available. Holders are configured per customer requirements. Contact Probe Technology Services for details.



At Probe, we design, manufacture and service specialized modular downhole tools and systems. Our tools are used in formation evaluation, well integrity assessment and well productivity determination across the global energy industry.