

2 3/4" RADII™ Dual Receiver Cement Bond Log Tool



Product Reference: 050-RADII-275

The RadII™ Cement Bond Tool utilizes a single ceramic transmitter, (an eight segment receiver at 3ft. spacing and a single receiver at 5ft. spacing) to accurately measure the quality of the cement job in a cased hole well environment. The segmented receiver provides good indication of cement channeling behind the casing.

This cement bond tool is of high quality steel construction with oil filled, pressure compensated transmitter and receiver sections. The transmitter and both receivers are ceramic to withstand the hostile high temperature of well environments. Upon each transmitter firing, data from all the receivers is digitized and stored in internal memory, then sequentially transmitted to the surface computer.

The digital signal section is capable of transmitting data to the surface from tools run below the RadII™ CBL such as a Gamma Ray/CCL, In-line Neutron, Compensated Neutron or other tool with one or two pulse channels running below the CBL tool.

Transmission of the sonic data to the surface is accomplished by an internal controller which transmits 8 signals from the RADII™ receiver, a composite 3ft. signal (sum of all 8 RADII™ signals), a 5ft. receiver signal, and an internally generated calibration signal. Transmission of the remaining signals consist of digitally encoded data transmitted after the acoustic signals.

The electronics contains firmware that allows the tool to be auto-calibrated inside a calibration fixture. The digital gain is set and all signals are stored in memory. These signals can be transmitted uphole on demand by the operator.



SPECIFICATIONS - 2 3/4" RADII™ DUAL RECEIVER CEMENT BOND LOG TOOL

Diameter	2 3/4"	6.9 cm	Mechanical:	
Length	104.8"	2.7 m	Top Connection	1 3/16" 12P GO Box
Weight	93 lbs	42.2 kg	Bottom Connection	1 3/16" 12P GO Pin
Operating Voltage	130 VDC			
Operating Current	45 mA. DC			

Limitations:

Maximum Pressure	20,000 psi	137.9 MPa
Maximum Temperature	350 °F	177 °C

RELATED PRODUCTS

- 050-CN275-0000 2 3/4" Compensated Neutron
- 05-GR275-0001 2 3/4" Gamma Ray/CCL (required)
- 050-NU275-0000 2 3/4" Neutron Tool

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.

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