

## RADII® CEMENT BOND TOOL - HD - 3 1/2 IN.



SKU: 050-RB350-1000

Categories: [Cased Hole Wireline](#), [Cement Evaluation](#), [HD Platform™](#), [RADii](#), [Well Integrity](#)



## PRODUCT DESCRIPTION

The large diameter RADii® HD Segmented Cement Bond Tool uses a single ceramic transmitter, a sixteen segment receiver at 3 ft. and a single receiver at 5 ft. spacing. The segmented receiver generates a cement map which enables identification of cement channeling while the single receiver generates the traditional cement bond log (CBL) and a variable-density log (VDL).

### Ratings & Dimensions

<b>Max Temperature</b>	350°F (177°C)
<b>Maximum Pressure</b>	15,000 psi (103.42 MPa)
<b>Outer Diameter</b>	3.5 in (88.90 mm)
<b>Length</b>	9.35 ft (2.82 m)
<b>Weight</b>	175.0 lb (79.40 kg)
<b>Tensile Strength</b>	<b>Tension:</b> 40,000 lb <b>Compression:</b> 40,000 lb
<b>Materials</b>	SST
<b>Measure Points</b>	<b>Amplitude, TT:</b> 4.3 ft (1.3 m) <b>VDL, Signature:</b> 3.3 ft (1.0 m)

### Borehole Conditions

<b>Borehole Fluids</b>	Salt, Fresh and Oil
<b>Tool Positioning</b>	Centralized with one each centralizer above and below

### Hardware Characteristics

<b>Source Type:</b>	One piezoelectric crystal fired at 18 kHz, 50 msec intervals
<b>Sensor Type</b>	<b>Omni Receiver:</b> One 18 kHz piezoelectric <b>Radial Receiver:</b> One 16 segment 18 kHz piezoelectric
<b>Fire Rate</b>	20/sec

# ONLINE TECHNICAL SPECIFICATION SHEET



<b>Waveform</b>	<b>Analog:</b> 3 ft (.9 m), 5 ft (1.5 m), <b>Digital:</b> Telemetry Data
<b>Record Time</b>	1400 $\mu$ s for each receiver, 500 $\mu$ s for each sector
<b>Combinability</b>	GR, CCL, ProMac, iQ, Temperature
<b>Connections</b>	<b>Top:</b> GOI box <b>Bottom:</b> GOI pin
<b>Acquisition Mode</b>	SRO w/ TCU Mem w/ MLT

## Electrical Specification

<b>Current</b>	82 mA @ 130V
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Version Control: 2021.11.17

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