

The ANTARES 1346 Radial Segmented Bond Tool (RSBT) evaluates the cement bond quality and integrity to both pipe and formation by providing measurements of the cement bond amplitude from 12 individually measured segments. From this data, a cement map is created, each segment covering a 30° section of the pipe. In addition, the instrument provides a standard Cement Bond Log (CBL) through the near receiver (3-ft crystal), and a Variable Density Log (VDL) through the far receiver (5-ft crystal).

Specifications

Diameter:	88.9 mm	(3.50")	Transmitter-Receiver Spacing:		
Length:	3,075 mm	(121.1")	Far:	1,524 mm	(5 ft)
Weight:	104 kg	(229 lbs)	Near:	914 mm	(3 ft)
			Radial:	610 mm	(2 ft)
Max. Temp.:	175 °C	(347 °F)	Measure Points (from bottom):		
Max. Press.:	100 MPa	(15 kpsi)	Radial:	1,751 mm	(68.94")
Telemetry required:	0929		CBL:	1,599 mm	(62.94")
Top Connector:	ANTARES Toolbus CH		VDL:	1,294 mm	(50.94")
Bottom Connector:	ANTARES Toolbus CH				

Measuring Parameters:

Measuring Range:

Radial Traces: Up to 900 µs
CBL/VDL Traces: Up to 1,500 µs

Accuracy:

Amplitude: ± 3 % of value*
* centralized tool in a 140 mm (5-1/2") diameter casing.

Recommended Logging Parameters:

Min. Pipe ID:	114 mm	(4.50")	Logging Speed:		
Max. Pipe OD:	346 mm	(13.63")	Real time:	Up to 8 m/min	(1,580 ft/hr)
			Hybrid/Mem:	Up to 12 m/min	(2,360 ft/hr)
			Sample Rate:	Selectable	

Standard Curves

AmpVN	in mV	CBL Amplitude of first arrival from 3' Rx
AmplitudeMap	in mV	Amplitude map of segments from 2' Rx
CRTN	in µs	Measured casing first arrival from 3' Rx
PPTN	in µs	Predicted pipe time from 3' Rx
SRTN	in µs	Single receiver time from 3' Rx
VDL	in mV	Variable Density Log Trace from 5' Rx
BI	unitless	Bond Index

Combinability

With all ANTARES combinable C/H Instruments and memory adapter.

