

Radial Bond Tool

Titan Division | Instruments

Overview

The Radial Bond Tool (RBT) is equipped with one transmitter and two receivers constructed of piezoelectric crystals. The near receiver, located 3ft from the transmitter, is constructed with an 8-sector radial receiver. Each sector provides bond data covering a 45 degree section of casing. The primary amplitude is constructed from radial signals at the near receiver. The far receiver, located 5ft from the transmitter, generates a Variable Density Log. The RBT deploys in deviated holes and combines readily with any of the complete range of tools. Its slotted sleeve technology provides sound isolation, rigidity and tool strength. The tool is comprised of corrosion resistant materials throughout.

Benefits

- To provide quantitative analysis of cement bond in eight 45 degrees segments for 360 degrees coverage across the borehole
- To effectively identify intervals of uniform bonding and detect cement channels or voids in casing sizes ranging from 4.5" to 13.4"
- Quantitative analysis of cement bond to casing
- Quantitative analysis of cement bond to formation
- H2S resistant

Specifications

Model	RBT18	RBT17
OD	43mm (1 11/16")	79.4mm (3 1/8")
Max Working Temperature	175°C (347°F)	175°C (347°F)
Max Working Pressure	140MPa (20,000 psi)	140MPa (20,000 psi)
Shipping Length	3002mm (118.19')	2768mm (108.98')
Make-up Length	2905mm (114.37')	2863mm (112.72')
Weight	19.7Kg (43.4 lb)	48Kg (106.67 lb)
Measurement Point	3ft: 1576mm (62.05')	3ft: 1567mm (61.70')
	5ft: 1271mm (50.04')	5ft: 1263mm (49.72')
Measurement Range	95mm-177mm	95mm- 340mm
Transducer Frequency	≈32KHz	≈22KHz
Transducer	Piezoelectric Ceramic	
Sectors	6 sectors	8 sectors
Bus	WSTbus	
Operating Voltage	18VDC	
Operating Current	50mA	



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