

Segmented Bond Tool

Titan Division | Instruments

Overview

The segmented bond tool is designed to evaluate the well cementing quality, employing the acoustic measuring principle. Typically run with the variable density log (VDL), the bond between the casing and cement and that between the cement and the earth formation are analyzed. The tool consists of six measuring arms, each covering a 60-degree sector of the circle. In operation, the measuring arms are motored open pushing the pads against the inner wall of the casing, thus providing better acoustic coupling and better measurement resolution.

Benefits

- Bond quality evaluation of the first interface
- VDL Wave Acquisition

Specifications

Max Working Temperature	175 2hrs
Max Working Pressure	140MPa
Min Measurable Casing Diameter	101.6mm (4")
Max Measurable Casing Diameter	393.7mm (15.5")
Tool OD	89mm (3 1/2")
Shipping Length	5734mm (225.75")
Make-up Length	5273mm (207.60")
Weight	110Kg (242.5Lbs)
Power Supply	DC 150VDC
Measurement Range	0~22dB/ft Compensated Attenuation
Measurement Accuracy	±1.0 dB/ft
Measurement Repeatability	±1.0 dB/ft
Vertical Resolution	76.2mm (3")
Radial Resolution	60 degrees
Depth Error	50.8mm (2")
Operating Voltage	150V±10%
Operating Current	40mA
Pads Opening Current	< 200mA
Pads Closing Current	< 350mA
Transducer Frequency	VDL Transducer: 20KHz
	SBT Transducer: 100KHz
Sensor	100KHz Multilayer Piezoelectric Ceramic
Pads Contact Force	23kg (51.11 lbs)
Max. Logging Speed	10m/min



MANUFACTURED BY

