

DBT-20

2-3/4" Dual Analog Cement Bond Logging Tool

Description

The Dual Analog Tool (DBT) evaluates the cement bond quality and integrity to both pipe and formation by providing the measurements of the cement bond amplitude (CBL) through near receiver (3-ft crystal), and variable density log (VDL) through far receiver (5-ft crystal).

Applications

- Evaluation of cement bond quality and integrity.
- Location of free-pipe and cement-top.

Features

- Rated for High-temperature and high-pressure environments.
- Compatible with most surface systems.
- Runs on all standard wirelines.
- Combines with all standard pulse tools on the bottom, and with all line-shake CCL on the top
- All receivers are built in a slotted housing to provide rigidity, strength, and noise isolation.
- Electronic design verified for 1 hour operation at 415°F to ensure reliability.
- Easy to service and maintain.
- Upgradable to Radial Bond Tool.
- Calibration signal replaces near signal when head voltage is equal or less than 90 VDC.

Specifications

Tool Operating Voltage	100 to 150 VDC	Tool Length	2.743 m (9 feet)
Tool Operating Current	35 to 40 mA	Tool Weight	45.36 Kg (100 Lb)
Tool Time Cycle	2 X 50 ms	Measurements	Near @ 3 ft, Far @ 5 ft
Max. Temperature	204°C (400°F)	Recommended Logging Speed	9.1 m/min (30 ft/min)
Max. Pressure	172.4 Mpa (25,000 PSI)	Borehole Fluids	Oil - Fresh Water - Brine
Transmitter	2" Dia Omni	Tool Positioning	Centralizers Recommended
Receivers	Near & Far = 2" Dia Omni	Recommended Max. Casing ID	264 mm (10.375 in)
Tool Diameter - OD	69.85 mm (2-3/4 in)	Recommended Min. Casing ID	114 mm (4.5 in)



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