

ACOUSTIC CEMENT BOND TOOL

The Acoustic Cement Bond Tool (ACBT) is a slim cement bond evaluation tool equipped with 2 transmitters (T1, T2) and 1 receiver (R1) of acoustic waveforms. Pairs of emitters and receivers form two measurement bases with opposite observation systems of acoustic response. The ACBT delivers detailed information about the well isolation condition achieved by the cementing job. The tool provides measurements in oil and gas wells with the diameter of the wellbore up to 5.7" (146mm).

Applications

- Cement bond quality evaluation
- Acoustic profile in for open hole wells

Advantages

- Memory mode and Surface Readout
- Compatible with some of North Side Tools

Tool Specifications	
Probes configuration	R20.5R11.0T1
Interval time of elastic wave propagation	100-500 μ s/m (\pm 3%)
Borehole diameter	2.5–5.7 in (64–146 mm)
Transmitter operation frequency	20 kHz
Maximum Operating Temperature	150°C (302°F)
Maximum Operating Pressure	14,500 PSI (100 MPa)
Tool length	14.8 ft (4.5 m)
Tool OD	1.69 in (643 mm)
Tool weight	66 lbs (30 kg)
Surface read-out / Memory	Both
Operational time in memory mode	24 hrs
H ₂ S resistance	6% standard

