

# SEGMENTED CEMENT BOND LOG TOOL

The tool is designed to measure the density of the cement bond in the well annulus and to evaluate wall thickness of casing pipes in the scanning mode with the measurement results referenced to the apsidal plane of the well. The tool provides measurements in oil and gas wells with the diameter up to 12", equipped with casing pipes of the outer diameter from 5.5 to 7" and filled with brine solution of 1,000 to 1,400 kg/m<sup>3</sup>.

The probe setup of the tool contains eight independent detectors of a large probe and one detector of a small probe on the axis of the tool.

## Applications:

- Cement bond density evaluation.
- Well casing thickness evaluation.
- Memory and SRO modes.

GENERAL SPECIFICATIONS	
Applications	Cement bond density evaluation, casing thickness evaluation
Source type	Cs137
Sensors configuration	B8 x 1S
Sensors type	Oriented, 8 sectors coverage
Densify measurement range, kg/m <sup>3</sup>	1,000-2,000
Casing thickness range, in	0.19-0.5
Casing OD, in	5.5-7
Maximum Operating Temperature, C	150
Maximum Operating Pressure, PSI	11,600
Logging speed, m/hr	400
Tool length, in	111
Tool OD, in	5.2
Surface read-out/ Memory	Yes, Both

