Cement Bond Integrity Probe

This cementing probe evaluates the quality and integrity of cement jobs in wellbores. It provides crucial data on cement bond, compressive strength, and zonal isolation.

Overview

Cement Bond Integrity Probe

The Cement Bond Integrity Probe is a specialized instrument engineered for evaluating the quality and integrity of cement jobs in wellbores. Designed for harsh downhole environments, this probe provides critical data on cement bond, compressive strength, and zonal isolation. It enables operators to verify cement placement, identify voids or channels, and ensure long-term well integrity, helping to prevent costly remedial work.

Measurement Capabilities

Key Performance Metrics

20 KHz	3000 m	30 Mpa
Sound Wave Frequency	Maximum Depth	Maximum Pressure

Measurement Ranges

Parameter	Range
Time-of-arrival	666 ¼m
Short distance reception	883.3312 ¼m
Amplitude log	0 to 10 V
Gamma	0 to 1000 cps
Magnetic location	±255 yards

Technical Specifications

Operating Parameters

- Working mode: Non-directing measurement
- Measuring mode: Continuous measurement
- Transmit cycle: 106 ms
- Calibration accuracy: ±2 ¼m
- Amplitude log error: d±5%
- Gamma error: d±5%

Physical Characteristics

Dimensions & Weight

- Diameter: 45 mm
- Length: 2000 mm
- Weight: 13 kg

Environmental Ratings	
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Connectivity	
Data Interface	RS232 port for data transmission