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9622 Logging Tool

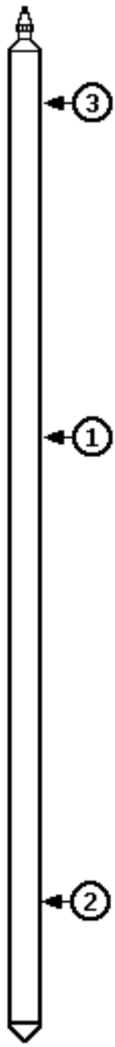
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9622 Series Magnetic Susceptibility (Deviation Option)

Product Description

Background Information

The Magnetic Susceptibility tool is a slim hole mining tool primarily designed to measure the magnetic susceptibility of the formation. Additionally, optional natural gamma, inclinometer and magnetometer sensors.



Features	
Properties Measured (see diagram)	Tool Specifications
1. Natural Gamma: (optional) 2.2 x 10.2 cm (0.875 x 4 in.) Scintillation Crystal Offset: 91.4 cm (36 in.) 2. Magnetic Susceptibility : Dual-focused coils, 1.44 kHz operating frequency 10.2 cm (4 in.) resolution vertically and horizontally Offset: 186 cm (73.2 in.) 3. Slant Angle and Azimuth Measurements: 3-axis magnetometer 2-axis inclinometer Offset: 34.3 cm (13.5 in.)	Length: 203 cm (80 in.) Temperature: 70 C (158 F) Diameter: 4.1 cm (1.63 in.) Pressure: 253 kg/cm ² (3600 PSI) Weight: 18 kg (40 lb.) Logging Speed: 9 m/min. (30 ft./min.) Tool Voltage Required: 36 VDC

Sensor Response Ranges		
Sensor	Response Limits	Accuracy
Natural Gamma (NG)	0 to 10,000 api units 0 to 320,000 cps	+/-5%
Magnetic Susceptibility (MS)	0 to 90,000 cgs	+/-5%; 20 x 10 ⁻⁵ cgs temperature drift over range
X-Y Inclinometers (XYI)	0 to 90 degrees	+/- .5 degrees
Azimuth (AZ)	0 to 360 degrees	+/-2 degrees

Tool Information		
Item	Model #	Part #
Tool with MS	7622	314500C
Tool with NG, MS	8622	314500B
Tool with MG, MS, XYI, AZ	9622	314500A
Deviation Calibration Test Stand		317420
Calibration Fixture for Mag. Susceptibility		318261

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