CENTURY GEOPHYSICAL LLC.
PRODUCT DESCRIPTION

9512 Slim Hole Induction Tool

Background Information
This three-coil slim hole induction tool was designed to provide conductivity and converted resistivity logs in open boreholes or PVC/plastic cased holes with casing sizes 5.08 cm (2 in.) or greater. The probe measures the rock conductivity in borings and wells within a zone of 25.4 to 127 cm (10 to 50 in.) from the well, but is not sensitive to the borehole fluid, casing, or grouting materials. The tool can also be used in air filled holes to measure the conductivity response. In addition, the tool also simultaneously records natural gamma ray in API units or CPS for determination of clay content and radioactivity measurements.

Features	
Properties Measured (see diagram)	**Tool Specifications**
1. Natural Gamma: 2.2 x 10.2 cm (0.875 x 4.0 in.) NaI Scintillation Offset: 17.5 cm (6.9 in.) **2. Induction:** Coil-focused conductivity 3-Coil Conductivity Electrodes Offset: 152.2 cm (59.9 in.) Main Coil Spacing: 50.0cm (20 in.)	**Length:** 266.7 cm (105.0 in.) **Temperature:** 70 C (158 F) **Diameter:** 41 mm (1.625 in.) **Pressure:** 281 kg/cm^2 (4000 PSI) **Weight:** 7.46 kg (20 lb.) **Logging Speed:** 9 m/min. (30 ft./min.) **Tool Voltage Required:** 30 VDC

Sensor Response Ranges		
Sensor	**Response Limits**	**Accuracy**
Natural Gamma (NG)	0 to 10,000 API units	+/-5%
Conductivity (COND)	5 to 3000 mmho/m	+/-5% @ 30 mmho/m

Cost & Availability		
Item	**Model #**	**Part #**
Tool with NG, COND	9512	337000
Calibration Ring		293821
Centralizer, Upper (included)		293861
Centralizer, Lower (included)		293862