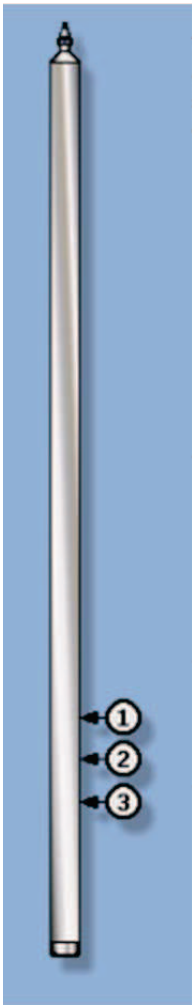


CENTURY GEOPHYSICAL LLC.

PRODUCT DESCRIPTION

7201 Logging Tool



Background Information

The Spectral Gamma tool is a three-channel analysis of the gross gamma ray spectrum as it relates to potassium, uranium, and thorium content. An internal energy source of less than 1 micro-curries of Cs137 is used to excite the crystal and to stabilize the electronics prior to logging. The spectral window is recorded via a 256 channel spectrum board so that the different energy levels from the formation can be analyzed.

Features		
Properties Measured (see diagram)	Tool Specifications	
1. Potassium (K) Percent 40 Offset: 135.63 cm (53.4in.)	Length: 167 cm (65.75in.) Temperature: 65 C (150 F)	
2. Uranium (U): Parts Per Million Offset: 135.63 cm (53.4in.)	Diameter: 60.96 mm (2.40 in.) Pressure: 232 kg/cm ² (3000 PSI)	
3. Thorium (T) Offset: 135.63 cm (53.4in.)	Weight: 16.82 kg (37 lb.) Logging Speed: 1.5 m/min. (5 ft./min.) Tool Voltage Required: 60 VDC	
Sensor Response Ranges		
Sensor	Accuracy	
K, percent 40	+/-2%	
U, PPM	+/-10 PPM	
T, PPM	+/-10 PPM	
Tool Information		
Item	Part #	Part #
Spectral Gamma Logging Tool	7201	272000