

Slimhole Density Sonde

The Geovista digital Slimhole Density Sonde can be used on its own or in combination with other Geovista sondes. It is suitable for qualitative density measurements in reduced diameter holes. It comes with two density detectors and one Natural Gamma detector.

Specifications:

Weight:	5.0 kg	Length:	1.65 m	Diameter:	38 mm
Detectors (NaI)	x 3 NaI crystals with 11, 22 and 134 cm spacing				
Source requirement	Typically 10mCi ¹³⁷ Cs				
Max. Temperature	80°C	Max. Pressure:	20 MPa		

Dual Neutron Sonde

This combinable sonde provides quantitative formation porosity measurements in uncased holes, based on Hydrogen Index. The sonde uses a Neutron source and a set of two detectors at different spacing to detect the neutrons that are slowed down by hydrogen in the formation. As the sonde is sensitive to hydrogen, it is used to distinguish between fluid bearing formations and solid matrix rock.

In order to optimise performance, the sonde is designed with three main features:

1. A side-walling bow spring to ensure that the detector measures only the neutrons slowed by the formation
2. A detector mandrel diameter that is large enough to minimise the sonde and borehole curvature mismatch and improve sonde to formation contact to minimise the effect of the borehole fluid
3. An efficient detector shield to prevent neutrons from travelling up, inside the sonde body



Specifications:

Dimensions:	Diam.: 60 mm	Length: 1.67m	Weight: 23.Kg
Detectors:	³ He Proportional Counter		
Source:	2.5 to 3Ci ²⁴¹ Am-Be		
Max. Temp.:	80°C	Max. Press.:	20MPa

Slimhole Neutron Sonde

The Geovista digital Slimhole Neutron Sonde can be used on its own or in combination with other Geovista sondes. It is suitable for qualitative porosity measurements in reduced diameter holes.

Specifications:

Weight:	5.0 kg	Length:	1.44m	Diameter:	38 mm
Detectors (NaI)	³ He Proportional Counter at 24 cm spacing				
Source requirement	Typically 1Ci ²⁴¹ Am-Be				
Max. Temperature	80°C	Max. Pressure:	20 MPa		

Geovista reserve the right to change the products' list and specifications without prior notice