

Natural Gamma Sonde

The Geovista digital Natural Gamma Ray Sonde can be used on its own or in combination with other Geovista sondes for correlation purposes. The spectral gamma version can operate in both spectral and in 5 window mode. The GM version uses a set of two Geiger-Muller detectors to cater for the high count rates in uranium ore. The shielded version allows the user to filter out low energy gamma rays in high grade uranium. This allows for a more linear operation in high gamma counts environments. The sonde also provides for automatic dead time measurement and correction

Specifications:

	Gross GR Sonde	Spectral GR Sonde	GM GR Sonde	Filtered GR Sonde
Weight:	3.5 kg	6.30 kg	1.5 kg	4.5 kg.
Length / Diam.	0.70m / 38 mm (Also 28mm dia.)	0.95m / 60 mm (Also 73 mm dia.)	0.93 m /28 mm (Also 38 mm dia.)	0.70m /42 mm
Detector :	38mm sonde: NaI - 25 x 50mm 28mm sonde: NaI- 20x 75mm	60mm sonde: NaI- 38x 150 mm 73mm sonde: NaI - 57x172 mm	Halogen-quenched GMcounter tubes 8 mm / 15 mm	NaI - 20 x 50mm
Max. Press.	20MPa	20 MPa	20 MPa	20MPa
Max. Temp.	80°C	80°C	80°C	80°C
No. of Channels		256 / 512 / 1016		
Energy Range		100 keV to 2.8 MeV		
Resolution		10% @ 137Cs		



Caliper Sonde

The GeoVista calipers can be used on their own, or in combination with other GeoVista sondes. In addition to the traditional 3-arms caliper, a lower cost two arms caliper is available. This can be coupled with a second caliper sonde to provide a low cost Four-Arm caliper with independent arms. Alternatively a single Four-Arm caliper with independent arms is available for larger boreholes. The addition of a Geovista Verticality sonde would yield a Borehole Geometry Log.

Specifications:

	2-Arm	3-Arm	4-Arm
Weight	9.8Kg	8.5 Kg	18.0Kg
Length	1.32m	1.45m	1.18m
Diameter	45mm	38mm	80mm
Accuracy	±3mm	±3mm	±3mm
Max Pressure	20MPa	20MPa	20MPa
Max Temperature	80°C	80°C	80°C
Range	50-400mm	45-600mm	85-1000mm
Arm extension			100-1500mm
Independent Arms	Yes	No	Yes
Measurement	X1,X2 Radii	Overall Diameter	X1,X2,Y1,Y2



Geovista reserve the right to change