

Natural Gamma Spectroscopy Sonde GRS42



The **Natural Gamma Spectroscopy GRS42 sonde** analyses the energy spectrum of the gamma radiations from naturally present isotopes in the formation surrounding a borehole. This tool is offered with several scintillator options depending on the field application. The **Natural Gamma Spectroscopy GRS 42 sonde** uses a one inch diameter crystal and is recommended for highly radioactive environments.

The **Natural Gamma Spectroscopy GRS42 sonde** is recommended for the following applications:

- Mineral Detection
- Lithology Characterization
- Sedimentology
- Contamination Studies

TECHNICAL SPECIFICATIONS

Length:	1.12m
Diameter:	42mm
Weight:	7kg
Max. Operating Temp:	70° C
Max. Operating Pressure:	200bar
Housing:	Stainless Steel 316L body and bronze alloy parts
Energy Range:	60 to 3060keV
Channel Width:	User definable mode; 6keV (500 channels) or 12keV (250 channels)
Detector:	Na(Tl) scintillator; Crystal size 25mm OD x 50mm (other crystal size on request i.e. 50mm OD x 150mm for GRS63)
Dead Time:	4µsec
Resolution:	8%
Maximum Count:	65000 cps

WIREFINE

Cable Type:	Any standard wireline - coaxial, mono or multi-conductors Automatic cable selection
Logger Compatibility:	eMindLogger surface acquisition system including dedicated software

LOGGING DATA

File export to SEG2 format:	250 or 500 individual channel count rates
File export to LAS 2.0 format:	Up to 6 user defined energy windows Total natural gamma Scintillator temperature
Replay Mode:	All data listed above and additionally: sonde parameters and settings; communication parameters and settings

SOFTWARE SCREENSHOTS

