

GMS312

“A Rolling Core Spectral Analyser for on-site Core Logging”



Description

The GMS312 offers the ability to log elemental concentrations of Uranium, Thorium, and Potassium by means of spectral analysis of gamma emissions from core materials. Data can be displayed in either API units or counts in six user-defined Regions of Interest plus gross gamma count.

There are two measurement modes: Dynamic and Static. In Dynamic mode, continuous measurements are made while the GMS312 is rolled along the core at a preset speed. In the Static mode, the GMS312 is moved to each location and a static measurement is made. In each mode, the depth is displayed. Survey results are saved to the internal memory of the instrument, and they may be downloaded and analyzed on a PC via the Core Analyzer Application software.

Features

- Rolling Spectral Core Gamma Logger
- API units
- Plot of Units vs Depth in Dynamic mode
- Factory preset Regions of Interest: Potassium, Uranium, Thorium & Total Gamma (KeV)
- 3 additional optional user-defined Regions of Interest
- Data Logging
- Background Correction
- Metric, Imperial or US units
- Preset rolling speeds in Dynamic mode from 25 to 1000 mm/s (1 to 39.4 inches/s)
- Preset measurement intervals in Static mode from 25 to 1000 mm (1 to 39.4 inches)
- Preset sample periods in Static mode from 10 to 900s
- Handle for comfortable operation

GMS312 Specifications

Display	480 x 72 pixel Transflective LCD with white LED backlight	Power	Internal NiMH 7.2 V 6000 mAh battery
User Controls	Power ON / OFF Backlight Back / No Accept Up / Down Left / Right	Power Supply	Input supply 110 to 240 V ac, supplied with world-wide connectors
User Connections	Charging Input USB type B for connection to a PC	Detector	72 x 72 mm (2.8" x 2.8") NaI(Tl)
Memory	8 GB Internal Memory	Energy Range	90 keV to 2,800 keV
PC Software	Core Analyzer Data Manager included	Temperature	Operating range -10°C to 40°C
		IP Rating	IP54
		Dimensions	320L x 320H x 150W mm 12.6"L x 12.6"H x 5.9"W
		Total Weight	15 kg

About Us

Rotunda Scientific Technologies LLC was founded in 2012 to serve the Dosimetry and Radiation Protection community. We provide innovative products and services to fill voids that medium and large companies are not able or willing to address. We believe that listening to you and providing personalized services are the keys to future partnerships and a long-term relationship.

We are wholly owned and operated by the two partners Lisa Fiocca Rotunda and Joe Rotunda. We are a woman majority owned small business and are able to adapt quickly to changing commercial and technical requirements. With over 25 years of experience in the field, we are the clear choice for all of your radiation detection and external dosimetry needs.

Contact Us

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Company Specific Codes

CAGE Code: 5G0C8

DUNS: 07-848-9364

NAICS:
334516, 334519, 541380,
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Supply Groups:
52, 58, 63, 65, 66, 70

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