

Portable Gamma Ray Spectrometer

This portable spectrometer detects and measures gamma radiation. It features a large crystal, high sensitivity, and a 512-channel analyzer for accurate spectral analysis.



Overview

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This portable gamma ray spectrometer is a precision instrument designed for professional field analysis. It is ideal for prospecting uranium, thorium, and potassium ores, as well as conducting gamma radial strength analysis on construction and building materials. The device combines a rugged, portable control unit with a specialized probe, making it well-suited for demanding field environments.

Technical Specifications

Energy Discrimination Peaks

1.46 MeV
Potassium (K)

1.76 MeV
Uranium (U)

2.62 MeV
Thorium (Th)

0.5 MeV
Total Amount Threshold

Content Analysis Sensitivity

Channel	Sensitivity
Potassium (K)	3000–5000 ppm
Uranium (U)	d2ppm
Thorium (Th)	d3ppm

Physical Characteristics

Equipment Dimensions	290 x 110 x 290 mm
Probe Dimensions	Æ102432 mm
Weight	5 kg

Operating Environment

Operating Temperature	-10°C to +60°C
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