



Pipe/Ground Monitor System

Model: PGM-2L

Features

- Small Diameter
- High Sensitivity
- Rugged
- Moisture Resistant
- Optionally Submersible
- Portable

Description

The PGM-2L is truly a **lightweight portable** monitoring system which consists of a moisture resistant BGO* scintillation probe 5/8" in diameter and up to a 40 foot cable. The readout for this system is a Model PRS-5 Ratemeter/Scaler which includes three single channel switch selectable analyzers. The ten inch long probe contains a sensitive/rugged photo-multiplier, dynode resistor string, and a 1/2" x 2" BGO scintillation crystal.

Application

This system is extremely useful for location or movement of underground radioactivity by use of pipes driven into the formation.

Specifications

- **Readout:** See *PRS-5 Data Sheet*
- **Probe**
- Length: 10"
- Weight: 10 oz.
- Diameter: 5/8"
- Scintillator Type: BGO*
- Scintillator Size: 1/2" x 2"
- Drive Capability: 40' into PRS-5 Readout Package
- Sensitivity: Typically 350,000 cpm/mR/hr
- Efficiency: Better than 50% for Cs137 gammas
- ***High Density:** 7.13 (vs. 3.67 for NaI) nearly doubles sensitivity for gammas in general. High atomic # enhances sensitivity to low energy gammas by a further factor of up to 10.
- ****Options: Immersion proof probe**



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