

# Geophysical Borehole Instruments

## Geotech Gamma Ray Logging System

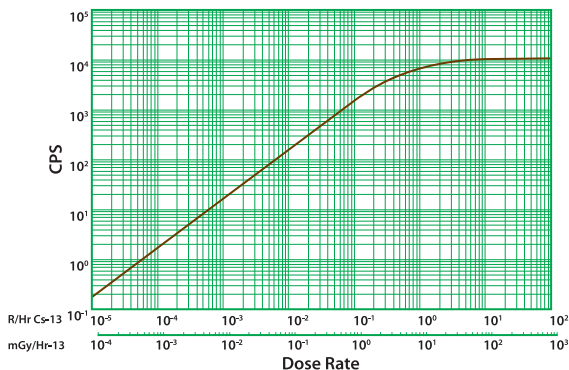
The Geotech Gamma Ray Logging System is used in exploration for uranium, potash and base metals as well as for petroleum and groundwater. The system identifies lithologies and stratigraphic correlations in boreholes, cased or uncased, liquid or air filled. For petroleum and groundwater exploration, the system provides information on the sequence of rocks in the borehole, and it can also be used to locate nonradioactive substances such as coal.

### FEATURES

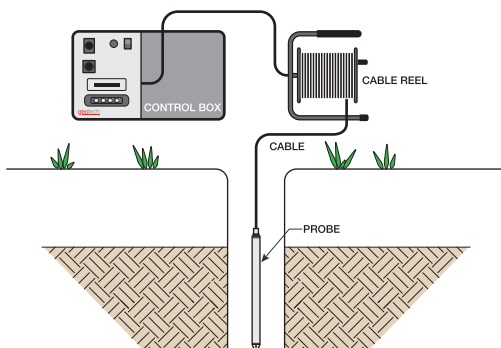
- Measures the total gamma ray radiation emitted by uranium, thorium or potassium-40 present in the subsurface strata.
- Portable and hand-operated.
- Measured data points are taken in intervals and then plotted on logging forms for graphic presentation and interpretation.
- The probe is 1.5" O.D. x 27.5" (70 cm x 3.8 cm) in length, constructed of stainless steel.
- Can be used in combination with the Borehole Resistivity System for a more precise determination of subsurface lithology.



### GAMMA SENSITIVITY



### INSTALLATION



### SPECIFICATIONS

#### Pelican Case with Control Panel

<b>Dimensions:</b>	17"W x 7"H x 14"D (43.2 cm x 17.8 cm x 35.6 cm)
<b>Power:</b>	12 VDC
<b>Display:</b>	LCD
<b>Operating Temperature:</b>	32° to 122°F (0° to 50°C)
<b>Weight:</b>	17.1 lbs. (7.8 kg)

#### Scintillation Probe

<b>Dimensions:</b>	27.5"L x 1.5"OD (70 cm x 3.8 cm)
<b>Counting Rate:</b>	User set – from 0 min:0 sec to 59 min:59 sec
<b>Operating Temperature:</b>	32° to 122°F (0° to 50°C)
<b>Weight:</b>	6.4 lbs. (2.9 kg)

#### Cable and Reel

<b>Dimensions:</b>	15"H x 11.5"W x 12"D (38.1 cm x 29.2 cm x 30.5 cm)
<b>Cable:</b>	4-conductor polyethylene sheathed, ¼" (6.4mm) diameter, 500' (152 m) length, 500' (152 m) extension cable available
<b>Reel:</b>	Steel and PVC – Reel turns on bronze bearings with continuous electrical contacts
<b>Weight:</b>	31.3 lbs. (14.2 kg)

#### Power

<b>External:</b>	110 VAC to 12 VDC power supply cord, 12 VDC cord with battery clip adapter, rechargeable 12 VDC battery with cord
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**CALL GEOTECH TODAY (800) 833-7958**

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