ACCESSORIES/SPARES

Model 154 Vacuum Soil Probe

Model 154 Vacuum Soil Probe is an accessory designed to be used with Pylon's Lucas type cells. The model 154 Soil Probe facilitates the collection of Radon gas from soil, and transfers it into a Lucas type cell for measurement.

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Applications:

- Geological Studies
- Pre-construction Surveys
- Earthquake Prediction Studies
- Volcano Studies

Features:

- Easy to use
- Light
- Portable
- Sampling procedure decreases variability in samples
- Multiple samples possible depending on the number of cells owned

Theory of Operation:

A vacuum is placed in a Lucas type cell using a hand or electrical vacuum pump (all available separately). The Lucas type cell is then connected to the Vacuum Soil Probe. After the Vacuum Soil Probe is set up appropriately in the soil, the vacuum in the cell is used to extract a specific volume of sample from the soil and places it into the Lucas cell. This "soil radon gas" is then measured on an AB-5 monitor.

Specifications:

Vacuum [1] : 27 in Hg
Operating Temperature Range:
0 to +50 (+32 to +122) °C (°F)
Storage Temperature Range:
-20 to +75 (-4 to +167) °C (°F)
Relative Humidity Range:
0 to 90 %
Length: 134 (52.8) cm (in.)
Weight: 1 (2.2) kg (lb.)

[1] At sea level. Maintained for a minimum of 12 hours.
• Values are nominal.

Ordering Information:

Model	***Part #***	***Description***
154	A215402	Vacuum Soil Probe

MODEL 154

Datasheet: 108 Rev 1

PYLON ELECTRONICS INC.
147 Colonnade Road, Ottawa, ON
K2E 7L9 CANADA
www.pylonelectronics.com

TEL: 613-226 7920
FAX: 613-226 8195
instrument@pylonelectronics.com