

# ACCESSORIES/SPARES

## **M**odel WG-1001

*The WG-1001 series of water degassing systems (WG-1001, WG-1001A, WG-1001B, WG-1001C) allow the user to obtain radon samples from water and place them in an active Lucas cell*

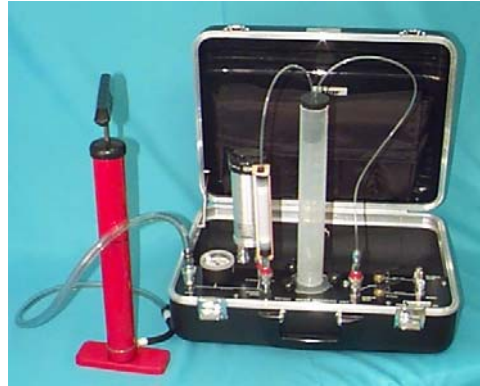
The WG-1001 Vacuum Water Degassing Systems are designed for accurate and rapid extraction of radon from water samples. The basic WG-1001 system consists of a vacuum and bubbler assembly and a hand-pump, all stored in a portable case. Variations of the WG-1001 kit allow you to include Pylon model 300A cells or offer the choice of optional water trap to reduce the possibility of cell damage if the vacuum is not shut off in time.

### **Applications:**

- Water quality analysis from wells and natural springs
- To monitor run-off and process water from mining, excavation, and ore processing
- Seismic prediction studies

### **Features:**

- Easy to use
- Lightweight and portable
- Allows for multiple grab samples
- Available with or without cells and with or without water trap



WG-1001A

### **Theory of Operation:**

A vacuum is placed on the attached Lucas cell. This vacuum is used to agitate the water sample for radon gas extraction.

The excess moisture in the gas is removed via the drying tube assembly to protect the cell from moisture damage. Once the sample is placed in the cell, the amount of radon can be measured using a Pylon Model AB-5 monitor.

**WG-1001 SERIES**

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## Specifications:

Extraction Efficiency: 95 % - Radon gas from a 190 ml sample using a 300A cell.  
Vacuum: 27 in Hg - At sea level. Maintained for a minimum of 12 hours.  
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 % - Non condensing  
Length: 35 (13.8) cm (in.)  
Width: 45 (17.7) cm (in.)  
Height: 15 (5.9) cm (in.)  
Weight: 6 (13.2) kg (lb.) - Without Cells.  
Weight: 9 (19.8) kg (lb.) - With Cells.

- Values are nominal.

## Ordering Information:

<i>Model</i>	<i>Part Number</i>	<i>Description</i>
WG-1001	6215928	Water degassing system without cells
WG-1001A	A215900	Water degassing system with 5 X 300A cells
WG-1001B	6215940	Water degassing system w/trap; w/o cells
WG-1001C	6215950	Water degassing system with trap; with cells

Specifications subject to change without notice.

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Datasheet: 106 Rev 1