

The World's Leading Radon Fan Manufaturer



RadStar GM 1-2 Grab Sampler/Manometer Instructions

RadonAway

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RadStar GM 1-2 Grab Sampler/Manometer

Turning Grab Sampler On:

Connect radon sample and filter tube to Sample Port. Turn knob to left [Grab Sampler]. The unit will beep; the pump and display will activate.

RadStar GM-1,2 HV Charging.....

After the High Voltage charges for 60 seconds* the bottom display line will display live results.

RadStar GM-1,2 000cnts 360secs ←Live Display

(Note: Pressing [NEXT/ZERO] key switch will reset Live Display counter.)

After 360 seconds the top display line will display the previous 6 minute sample results and the bottom line will reset for another sample:

010cpm 10pCi/l 000cnts 000secs ←Previous Sample

To Select Grab Sampler Options:

Press [ENTER]

Unit will display:

RadStar GM-1,2 Grab Sample?

← Press [ENTER] to return to Grab Sample Mode.

Press [NEXT/ZERO]

RadStar GM-1,2

Radon Units?

← Press [ENTER] to select pCi/l or Bq/m3

Press [NEXT/ZERO]

RadStar GM-1,2

Beep?

←Press [ENTER] to select Beep On or Off.

Press [NEXT/ZERO]

CAUTION: DO NOT SUCTION DUST, DIRT OR WATER WITH RADON SAMPLE TUBE.

*NOTE: [ENTER] or [ZERO/NEXT] Pushbutton switches will not respond while HV is charging.

Turning Manometer On:

Connect one end of pressure tubing to Low manometer port** and the other end to pressure source to be measured. The High manometer port is a reference open to atmosphere. Turn knob to right [Manometer]. The unit will beep and the display will activate.

RadStar GM-1,2 +.000 Inches WC

←Low Pressure Range (0 to .250 Inches WC or 0 to 62 Pascals)

To Zero Display Reading:

Disconnect any pressure source from High and Low Ports.

Press [NEXT/ZERO]

RadStar GM-1,2 Zeroing.....

AutoRange:

When a pressure is applied that exceeds the Low Pressure range the unit will automatically change to the High Pressure setting. Press [RESET] to change back to Low Pressure range.

RadStar GM-1,2 +0.00 Inches WC

← High Pressure Range (0 to 8.00 inches WC or 0 to 2000 Pascals)

To Select Manometer Options:

Press [ENTER]

Unit will display:

RadStar GM-1,2 Manometer?

← Press [ENTER] to return to Manometer Mode

Press [NEXT/ZERO]

RadStar GM-1,2 Pressure Units?

← Press [ENTER] to select Inches WC or Pascals

Press [NEXT/ZERO]

RadStar GM-1,2 Time Average?

← Press [ENTER] to select Time Average On or Off

Press [NEXT/ZERO]

^{**}NOTE: The Low manometer port will measure positive or negative pressures. Measuring pressure by connecting to the High manometer port will display opposite polarity (+ or -) readings.

RadStar GM1-2 Instrument Specifications

Radon Mode: 6 minute Grab Sampler, Brushed DC Sampling Pump rated for 500 hrs

Range: 0 to 999 picoCuries per liter (pCi/L or

0 to 37,000 Bequerels per cubic meter (Bq/m3)

Manometer Mode: (2) Ranges- 0 to .250 Inches WC or 0 to 62 Pascals

0 to 8.00 Inches WC or 0 to 2000 Pascals

User Selectable Options: Units, Beep, Time Average

Power: 120VAC 60Hz Transformer, rechargeable NiCad battery.

Indicators: 2 X 16 LCD Display, Green AC Power LED

Rotary Switch: 2 Position, [Grab Sample] [Manometer]

Communication Port: RS-232 port, for use by manufacturer only.

Pushbuttons: Momentary [Enter] [Next/Zero] [Reset]

Operating Range: Temperature 55°F to 85°F

Humidity 0 to 80%, non-condensing

Size:

Length 10 3/4 inches Width 9 3/4 inches Height 4 7/8 inches Weight 5 pounds

Color: Federal Safety Orange/Black

Warranty: 1 year

