



The World's Leading
Radon Fan Manufacturer



RadStar GM 1-2 Grab Sampler/Manometer Instructions

RadonAway

3 Saber Way | Ward Hill, MA 01835
www.radonaway.com

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 ←Live Display
000cnts 360secs

(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 ←Previous Sample
000cnts 000secs

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 250 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 250 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

