



Make Homes Healthier

Radon Testing is *Easy* and *Inexpensive*



2010 Edition



Model 1027



Model 1028



Model 1029



SUN NUCLEAR
corporation

Your Partner In Radon Measurement
www.sunradon.com

1027 RADON MONITOR

Making its debut in 1997, the popular Model 1027 Continuous Radon Monitor is still the industry's most widely used and respected radon monitor. Utilizing a patented diffused junction diode detector, the 1027 provides a simple digital display of the measured radon value as well as a report that is stored in the monitor. The 1027 can complete a professional report on-site with the optional compact thermal printer or with the included compact thermal printer or with the included PC software at a later time.



Model **1027**

Using line power, the 1027 includes a 9-volt battery to provide backup power to continue measurement in the event of power failure as well as an internal motion sensor that detects and reports movement. The unit is completely reusable; simply clear the memory and it is ready for a new test.

AVAILABLE ACCESSORIES:

1027 SINGLE MONITOR CARRYING CASE



1028 & 1029 HEAVY DUTY CARRYING CASES



THERMAL PRINTER



Print a complete professional report on site with the optional thermal printer.

A heavy-duty case can accommodate one monitor and printer or two radon monitors. Single monitor cases are also available. Cases include custom cut inserts and are weather proof.

MODELS 1028 & 1029



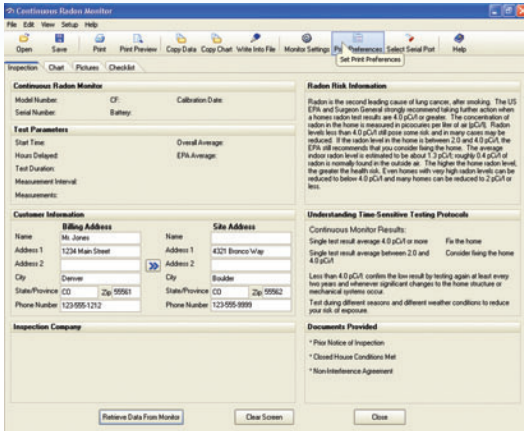
Model 1028



Model 1029

Utilizing the same dependable technology as the 1027, the 1028/1029 models are programmable for duration, interval and delay. The large 16 character LCD display guides the user through a simple set up process to input the inspection company information, address, state license numbers and phone numbers. This information is stored in memory and printed on each report.

1028 & 1029 SOFTWARE INTERFACE



A time/date clock automatically records start/stop times and prints alongside hourly intervals. A delay can be selected to meet proficiency programs for closed building procedures as well as being able to power down when testing is complete. The 1028/1029 will operate on battery power for 100+ hours and notifies the technician of battery status prior to performing a measurement. With the included PC Software, the technician can define their own unique report.

The Model 1029 adds environmental sensors that continuously records temperature, barometric pressure and relative humidity to further assist with closed building procedures. The 1029 has twice the sensitivity of the 1027/1028 and provides an additional interval settings to read as short as every half an hour.

SPECIFICATIONS - Models 1027, 1028 and 1029

Detector Type

Diffused Junction Photo Diode

Model 1027: One

Model 1028: One

Model 1029: Two

Measurement Interval Selections

Model 1027: 1 hour (4, 8, 24 internal switch)

Model 1028: 1, 2, 4, 8, 12, 16, 20, 24 hours

Model 1029: ½, 1, 2, 4, 8, 12, 16, 20, 24 hours

Sensitivity

Model 1027: 2.5 cph/pCi/l,

Model 1028: 2.5 cph/pCi/l, 0.07 cph/Bq/m³

Model 1029: 5 cph/pCi/l, 0.14 cph/Bq/m³

Operating Environment

All Models: 45° to 95° F (7° to 35° C)

Measurement Ranges

Model 1027: 0.1 to 999 pCi/l

Model 1028 & 1029:

0.1 - 999.9 pCi/l

1 - 99.99 kBq/m³

Display

Model 1027: 3 digit numerical LED

Model 1028 & 1029: 16 Character LCD

Button Keypad

Model 1027: 2 button operation

Model 1028 & 1029: 6 momentary switches provided in a sealed membrane overlay

Power Supply

All Models:

Transformer converts 120 VAC, 60Hz to 12VDC, 200mA

International requirements:

110-230 VAC to 12VDC, 50/60 Hz, 200mA

Battery Operation

Model 1027: 9V Alkaline; backup power only (approx. 20 hours)

Model 1028 & 1029: 9V Alkaline; up to 100+ hours of operation when line power not in use (battery must be kept installed at all times)

Computer System Requirements

Pentium or higher required

Windows 98, 2000, ME, XP, Vista and Windows 7

Computer Cables Included

Model 1027: 9 pin RS-232 serial, 6 foot

*USB adapter is recommended

Model 1028 & 1029: standard USB, 6 foot

Construction

(W x L x H) Inches - (Weight) Lbs

Model 1027: 8 x 4.7 x 2.5 - 2 Lbs

Model 1028 & 1029: 4.6 x 8.2 x 3.9 - 3 Lbs

Humidity Detector Specs

Model 1027 & 1028: N/A

Model 1029: Range 20-80%, Accuracy: 5% Resolution 0.1%

Temperature Detector Specs

Model 1027 & 1028: N/A

Model 1029:

Range 45° to 95° F: (7° to 35° C)

Accuracy: 2° F, (1° C)

Pressure Detector Specs

Model 1027 & 1028: N/A

Model 1029: in Hg (US) kPa (metric)

Range: 20.4 to 30.5 inHg, (69-103 kPa), Accuracy: 1.0 inHg (3.4 kPa)

Resolution: 0.04 inHg, (0.14kPa)

Disturbance Detector

Model 1027: report shows "T" (tamper)

Model 1028 & 1029: report shows "M" (motion)

NEHA-NRPP Listed/EPA Verified

1029 Device Code 229, Device Group 4

1028 Device Code 228, Device Group 4

1027 Device Code 223, Device Group 4

NRSB Listed/EPA Verified

1029 Device Code 31807

1028 Device Code 31821

1027 Device Code 31822



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