

RADON WATER MONITOR

REAL TIME CONTINUOUS

Model SSS-33M8-R – Radon

FEATURES:

- REAL TIME – OFFLINE
- MEETS EPA DRINKING WATER LEVELS
- CONTINUOUS MONITORING
- NOT INFLUENCED BY OTHER NUCLIDES
- NO LIQUID SCINTILLANT REQUIRED
- EASY CALIBRATION
- SENSITIVE TO 200 pCurie/l
- NEW STATISTICAL SIGNIFICANCE DISPLAY



APPLICATION:

- ❖ MONITOR LABORATORY OR PLANT LIQUID WASTE STREAM.

DESCRIPTION:

This system consists of a small light tight detector assembly which is interfaced with the sample via male 1/4" pipe fittings with the readout and processor assembly via two MHV connectors. The sample is passed through a deionizer and filter and thence to the detector assembly, where it is viewed by a matched pair of photomultiplier tubes.

The table top or rack mounted processor and display portion of this system conditions and analyzes the output from the photomultiplier tubes by pulse height and coincidence, thereby permitting the system to eliminate counting most background (noise) counts.



TECHNCIAL ASSOCIATES

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US NUCLEAR CORP

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SPECIFICATIONS:

- Sensitivity:** 1 pCi/liter in 4 minutes; 0.1 pCi/liter in 40 minutes.
Requires use of the optional 1" thick lead shielding.
- Range:** 0-100 μ Ci/liter – other ranges optional higher or lower.
- Flow Rate:** Minimum - 1 ml/min -- Maximum - 100 ml/min
- Sample Temperature:** Standard - < 80° F (liquid); (optional - to 115° F)
- Ambient Temperature:**
Detector - < 80° F (**Optional** - to 115° F)
Readout - < 115° F
- Lead Shielding:** 1/4" thick is standard
1" thick is optional

DIMENSIONS, WEIGHT, SHIPPING, OPTIONS:

- Dimensions:**
Detector - 4" dia x 19" Long
Readout - 10"H x 16"L x 19"W
- Weight (Standard Unit):**
Detector Housing - 20 lbs.
Readout Housing - 40 lbs.
Shipping - 90 lbs.
- Options:**
Higher temperature to 115° F.
Computer and/or recorder output.
Deionizer and Filter specification ([SSS-33M8/D](#))



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