

Radon WL Meter

HIGHLIGHTS

- Sampling periods selected from 1 to 24 hours or continuous operation
- Small and portable
- Optional battery operation
- All electronic operation

APPLICATIONS

- Continuous monitoring
- Fast screens
- Studies of building characteristics
- Personal exposure monitoring
- Other custom applications



DESCRIPTION

The Radon WL Meter is a professional, active monitor designed to measure accurately the radon progeny inside buildings. This lightweight, versatile instrument is easy to operate and very reliable.

The Radon WL Meter samples air and collects airborne radionuclides on a filter. The alpha activity from a sample is counted using a semi-conductor detection system. The count data can be converted to the appropriate units by manual calibration or via a Recorder Printer (model # TN-RP-01).

The Radon WL Meter is calibrated against US and other internationally recognized standards.

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Technical Specifications

RADON WL METER

Typical Sensitivity	100 counts/ hour @ 0.020 WL (at 1 litre per minute)
Minimum Readings	0.001 WL
Display	6-digit liquid crystal
Detection System	Custom silicon integrated circuit
Electronics	Low power CMOS
Sample Period	Pre-selected—0.5, 1, 2, 4, 8 and 24 hours on automatic, continuous on manual
Flow Rate	60 litres/ hour
Calibration	Against RN-222 gas. Meter shipped with calibration factor translating total count to WL units or Bq.m ⁻³ (EER)
Power Supply	Line adapter (supplied), or battery pack (optional)
Weight	1 lb (0.5 kg)
Size	7 x 4 x 1.75 in. (18 x 10 x 4.5 cm)
Options	
• Rechargeable Battery Pack	Sealed Cells, 24-hour capacity, 5.5 x 3 x 2.75 in. (13.5 x 7.5 x 7 cm)
• Large Carrying Case	Required if also purchasing a Battery Pack and/ or Recorder Printer

RECORDER PRINTER

Storage Capacity	3 days
Printer Interface	8 bit ASCII parallel
Front Panel Controls	Print current reading, print all records
Rear Panel Controls	Data select, front control lock-out
Internal Setting	Calibration factor, print out in selected units
Printer	Seiko thermal
Power Supply	
• Printer	6.5 Vdc @ 2 amp.
• Recorder	12 Vdc @ 0.8 amp.
Size	6.75 x 6 x 3.25 in. (17 x 15.25 x 8.5 cm)



ORDERING INFORMATION

Thomson Nielsen's policy is to provide you with the highest quality products as well as superior customer service. Call for more information on these and other Thomson Nielsen products.

MODEL NUMBERS

TN-WL-02	Radon WL Meter
TN-RP-01	Recorder Printer
TN-WL-BPX	Rechargeable Battery Pack
TN-LG-01	Large Carrying Case

The TN-WL-02 satisfactorily meets or exceeds the requirements of the European Community EMC Directive (89/336/EEC).

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Publications available upon request.
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