

YD-Ra03 Continuous Radon Monitor



Product Description

The Continuous Radon Monitor is a multi-functional instrument designed for **real-time**, **continuous**, and **online** monitoring of radon gas concentration. It features a structurally advantageous design and can be used for radon measurement in underground works, mine tunnels, tourist caves, nuclear facilities, associated uranium series environments, and indoor spaces. It is an essential device for locating radon sources. The instrument provides results instantly, is simple to operate, easy to carry, and is well suited for large-scale radon level surveys.

Specifications

Parameter	Specification
Detector	Semiconductor detector –insensitive to γ
Instrument background	≤ 3 cpm
Sensitivity	Approx. 1.1×10^{-3} cps/(Bq/m ³) (radon)
Detection efficiency (²³⁹ Pu α surface source, 2π)	35%
Count capacity	99,999,999
Measurement range	$2 - 1 \times 10^6$ Bq/m ³
Measurement interval	Default: 30 min (auto pump start on power-on, data collection for 30 min, result provided at end). User-adjustable based on radon level.

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Parameter	Specification
Automation & data storage	High degree of automation; parameter reconfiguration; auto display; instant results; internal storage of approx. 1,000 data points; queryable history
Data export	USB flash drive (offline analysis, storage, printing); TCP/IP upload to central control system
User interface	Embedded OS touch screen, intuitive and easy operation
Ambient temperature	0 °C to 40 °C
Relative humidity	≤90% (at 30 °C)
Power supply	220 V AC
Dimensions	360 × 335 × 203 mm (L × W × H)
Weight	6.8 kg

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