

RADON-3

Handheld Alpha, Beta, Gamma, X-Ray Radiation Detector



RADON-3 is a handheld alpha (α), beta (β), gamma (γ) and X-ray radiation detector that is designed to monitor and measure equivalent dose rate of radiation. The device is very sensitive and can detect even small sources of radiation.

RADON-3 radiation detector is lightweight, small and easy to use. It can be carried in user's pocket or on belt and is a good companion when visiting areas and buildings with possible threat of radiation. Visual and audible alarms alert the user immediately if the radiation dose rate exceeds the programmable threshold level. Each detected event is accompanied by a beep sound; a full alarm is sound for higher radiation levels. An LCD display is programmed to display the dose equivalent rate or number of radiation pulses in CPM.

RADON-3 has a precision mode for longer and more accurate measurement per location.

The device can be set up and controlled by a single button. Due to the long battery life the device can be turned on for extended periods of time for longer monitoring.

RADON-3 Features and Benefits

- Highly accurate and lightweight
- Measures and detects α , β and γ , γ and X-ray radiation
- LCD displays alarms and dose equivalent rate ($\mu\text{Sv/h}$) or pulse frequency (CPM)
- Audible beeps for radiation detection events with full alarm for $>10\mu\text{Sv/h}$ equivalent dose rate
- Precision measurement mode
- Setup and control by a single button

Parameter	Units	Value
Detector		GM tube
Effective diameter	mm	9.1
Sensitivity	CPS/ $\mu\text{Sv/h}$	18 for Co60
Output signal	$\mu\text{Sv/h}$ CPM	Dose rate of γ radiation Total $\alpha/\beta/\gamma$ /X-ray radiation
Measurement units (range selected automatically)		0.0 - 9.99 $\mu\text{Sv/h}$: 0.01 $\mu\text{Sv/h}$ 10.0 - 99.9 $\mu\text{Sv/h}$: 0.1 $\mu\text{Sv/h}$ 100.0 - 999 $\mu\text{Sv/h}$: 1 $\mu\text{Sv/h}$ 0 - 999 CPM: 1 CPM
Power supply		9V alkaline battery
Operating temperature	$^{\circ}\text{C}$	-15 to +50
Dimensions	mm	96 x 60 x 26
Weight	g	122 with battery