RADON-4

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

RADON-4 is a digital handheld personal alpha (α), beta (β), gamma (γ), radon (Rn) and X-ray radiation meter 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, including Rn in gaseous form that can gather in basements and other closed areas.

RADON-4 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 equivalent dose rate or number of radiation pulses in CPM.

RADON-4 has a precision mode for longer and more accurate measurement.

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-4 Features and Benefits

- Highly accurate and lightweight
- Measure and detect α, β, γ, X-Ray radiation and Rn
- LCD displays alarms and equivalent dose rate (μSv/h) or number of pulse frequency (CPM)
- Audible beeps for radiation detection events with full alarm for dose rate >10 μSv/h
- Setup and control by a single button

Parameter	Units	Value
Detector		GM tube
Effective diameter	mm	9.1
Sensitivity	CPS/μSv/h	1.8 for Co60
Output signal	μSv/h CPM Bq/m^3	Dose rate of γ -radiation Total α/β/γ/X-ray radiation Rn gas concentration
Measurement units (range selected automatically)		0.0 - 9.99 μSv/h: 0.01 μSv/h 10.0 - 99.9 μSv/h: 0.1 μSv/h 100.0 - 999 μSv/h: 1 μSv/h 0 – 999 CPM: 1 CPM 0 – 999 x10 Bq/m^3
Power supply		9V alkaline battery
Operating temperature	^{o}C	-15 to +35
Dimensions	mm	96 x 60 x 26
Weight	g	122 with battery