

RadEye GF

Personal Dose Rate Meter



RadEye GF – The next generation of radiation meters

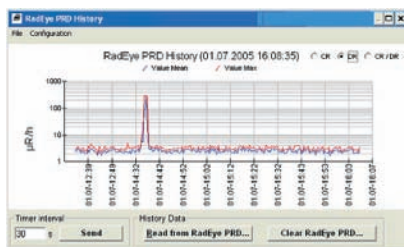
The RadEye GF is a light-weight and very rugged instrument designed for quick and reliable measurement of gamma dose rates. Modern electronic circuitry guarantees excellent linearity over 7 decades of radiation intensity: from background level to 100 R/h - with unlimited overrange indication.

The high-quality counter tube in conjunction with the non-metal instrument housing allows detection and reliable measurements down to very low gamma energies - a crucial feature in respect to accidents involving medical isotopes or Am-241 (a component of smoke detectors).

- Menu driven interface can be optimized to application
- Large, clear, backlit display for error free readings
- High range versions for high turn back levels greater than 10 R/h (100m Sv/h)
- Intrinsically safe versions for potentially explosive environments
- Large energy compensated GM tube for precise dose rate measurement of gamma and X-ray
- High sensitivity to low energy gamma radiation in harsh environments
- Durable – shock resistant design
- 900 hour operation with 2 AAA batteries Bright LED allows for operation in smoke and darkness
- One hot and four advanced buttons – easy to use
- Alarm relay output – for area monitor application
- Designed to meet relevant NATO standards and exceed ANSI 42.

All essential functions can be easily accessed even while wearing protective gloves. The alarm-LED can be seen while the instrument is worn in a belt-holster. The instrument is also equipped with a built-in vibrator and an earphone- output for silent alarming or use in very noisy environment.

RadEye PC-Software for training and analysis All settings and the data analysis can be done by an optional Windows™ -based PC-software and an accompanying reader device. Changes in configuration, occurring alarms and errors are saved in the RadEye memory. These events can be read out via the option "logbook". In order to allow retrospective analysis of any event, the latest 1600 dose rate values are stored in the internal data memory. For each time interval both the mean and the maximum measurement values are stored.



RadEye GF history data



RadEye belt holster with openings for alarm-LED and earphone connector



RadEye dash board adapter for mobile area survey applications including optional charging of the batteries

RadEye GF

Large graphic display with clear prefix and bar-graph



Background measurement
Alarm thresholds - two triangles in the bar-graph
Indication low



Approaching a source
Alarm thresholds - not yet exceeded
Trend arrow indicates increasing radiation level



Alarm level 1 exceeded
"Alarm 1" sign and "speaker" sign show up
Absence of trend arrow indicates stable radiation level - reading can be taken

Menu Operation

All factory-set parameters can be easily modified on the RadEye or using optional software. These menu operations can also be partially or fully blocked to simplify the instrument and to avoid any faulty operation. Navigation is made easy by a clear and intuitive user concept.



SPECIFICATIONS

Detector	Energy compensated GM-tube
Measuring Range	500 R/h - 300 R/h
Energy Range	45 keV - 3 MeV
Count Rate for Cs-137 (662 keV)	1.3 cps per mR/h
Overrange Indication	1000 R/h
Dimensions HxWxD	3.78 x 1.25 x 2.4 in. (9.6 x 3.1 x 6.1 cm)
Weight	6.6 oz. (160g)
Protection Degree	IP 65 according to EN 60529
Battery type and life	2 AAA; 900 hours
Part Number	425067475 with Yellow Label



Cost saving with rechargeable batteries

