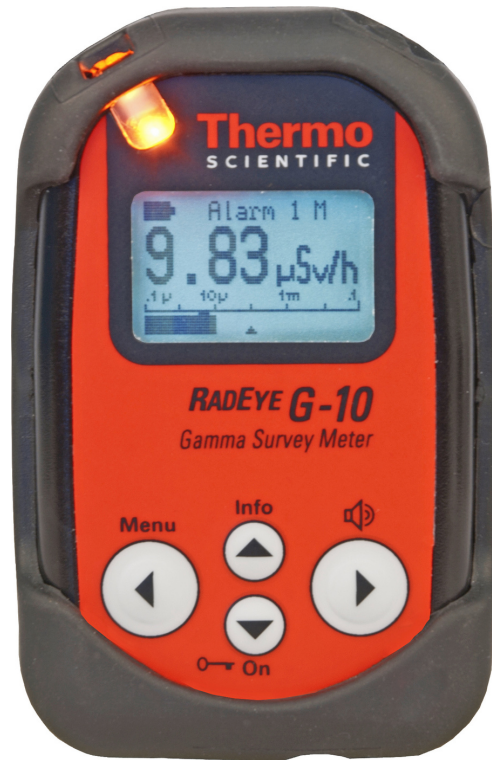


## Gamma Survey Meter : Radeye G-10.



The RadEye G 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 6 decades of radiation intensity: from background level to 10 R/h - with overrange indication up to 1000 R/h. The RadEye G-10 version incorporates a different energy filter in order to achieve a Sievert response curve according to ambient equivalent dose rate  $H^*(10)$ .

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). The intelligent ratemeter algorithm (ADF mode) guarantees that even the smallest change in radiation rates will be displayed immediately, while coincidentally occurring fluctuations will be effectively suppressed.

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.

## Specifications

Description	RadEye G, RadEye G-Ex	RadEye GF, RadEye GF-Ex	RadEye G-10, RadEye G-10-Ex	RadEye GF-10, RadEye GF-10-Ex
<b>Detectors</b>	Energy-compensated Geiger-Mueller tube			
<b>Measurement Units</b>	R and R/h		H*(10) in Sv and Sv/h	
<b>Measurement Ranges</b>	50 µR/h to 10 R/h	500 uR/h to 300 R/h	0.5 µSv/h to 100 mSv/h [50 urem/h-10 rem/h]	5 µSv/h to 3 Sv/h [500 urem/h-300 rem/h]
<b>Dose:</b>	up to 1000 R		H*(10) up to 10 Sv	
<b>Count Rate for Cs-137 (662keV)</b>	17 cps per mR/h	1.3 cps per mR/h	1.7 cps per µSv/h	0.13 cps per µSv/h
<b>Energy Range, according to IEC 60846-1</b>	45 keV to 1.3 MeV (G version), 50 keV to 3 MeV (Ex version)	45 keV to 3 MeV (GF version) 50 keV to 3 MeV (Ex version)	50 keV to 1.3 MeV (G-10 version), 50 keV to 3 MeV (Ex version)	50 keV to 3 MeV (both versions)
<b>Overrange Indication</b>	1000 R/h		up to 10 Sv/h	
<b>Dimensions HxWxD</b>	3.78 x 1.25 x 2.4 in. (9.6 x 3.1 x 6.1 cm)			
<b>Weight</b>	6.6 oz. (160g)			
<b>Protection Degree</b>	IP 65 according to EN 60529			
<b>ATEX Classification (Ex Versions Only)</b>	II 2G Ex ia IIB T4 IBExU10ATEX1096			
<b>Battery type and life</b>	2 AAA; 900 hours			
<b>Part Number</b>	4250674 RadEye G with Black Label 425067401 RadEye G with Yellow Label 425067460 RadEye G-Ex with Orange Label	425067475 RadEye GF with Yellow Label 425067470 RadEye GF-Ex with Orange Label	4250676 RadEye G-10 with Red Label 425067602 RadEye G-10 with White Label 4250675 RadEye G PTB type tested 425067660 RadEye G-10-Ex with Orange Label	425067675 RadEye GF-10 with Yellow Label 425067670 RadEye G-10-Ex with Orange Label

## Features

- Large, clear, backlit display for error free readings
- High range versions for high turn back levels greater than 10 R/h (100m Sv/h)
- 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
- Designed to meet relevant NATO standards and exceed ANSI 42.33
- Alarm relay output – for area monitor application



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+32 (0) 69 64 06 04

WWW.SCANNIX.COM

INFO@SCANNIX.COM