

The perfect solution for

- Civil Defence/Fire Brigades
- Hospitals
- Nuclear Industry
- Pharmaceutical Industry

## RadEye G20-10 / G20-ER10

X-ray and gamma survey meters for ambient equivalent dose and dose rate measurement

### Features of RadEye G20-10/G20-ER10

- Fast response even below 1  $\mu\text{Sv/h}$
- Light weight (300 g), excellent grip with and without gloves
- Rugged and compact design, thick rubber protective cover
- Low cost of ownership with > 500 h operation time with 2 AAA batteries – rechargeable NiMH-cells can be used
- Menu-driven user interface results in low training cost and immediate familiarity
- Huge internal data memory for both scaler results and continuous data recording
- Bright backlit LCD display – plain text messages - different languages can be selected
- Audible indication: single pulse or chirper mode proportional to count rate
- Earphone output for operation in loud environment
- Designed to meet and exceed IEC 60846-1

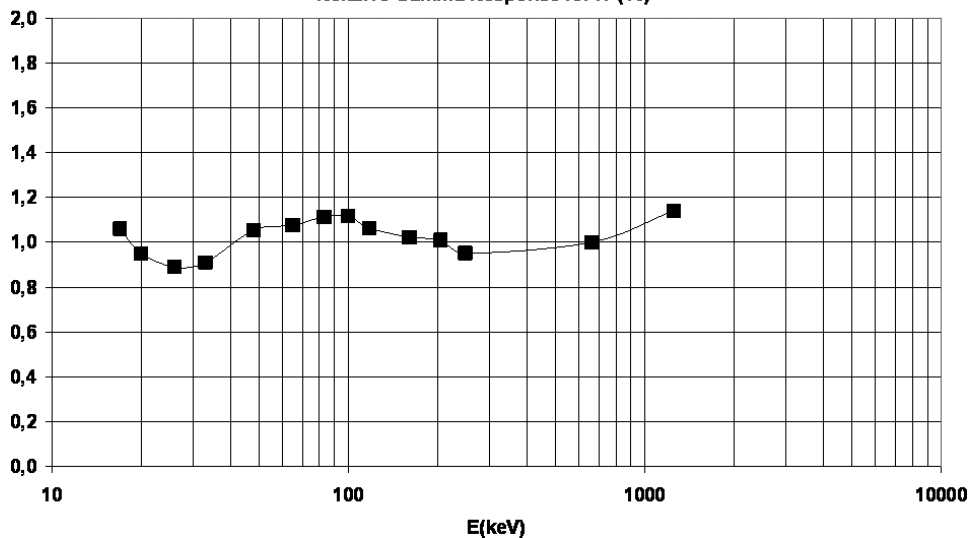


RadEye G20-10: 4250687  
RadEye G20-ER10: 425068710

***The RadEye G20-10 and G20-ER10 are excellent gamma survey meters with a flat energy response curve from 17 keV to 1.3 MeV according to ambient equivalent dose  $H^*(10)$ . The RadEye G20-ER10 model covers the whole dose rate range from background to 100 mSv/h.***

The instrument is part of the growing RadEye family of high-end stand-alone meters, which are designed to meet the most demanding user expectations.

**RadEye G20-10 and RadEye G20-ER10  
Relative Gamma Response for H\*(10)**



## Accessories

Gamma test-adaptor for RadEye G20-10/G20-ER10 (50 g Lu<sub>2</sub>O<sub>3</sub>): **Order Number: 4254948**

62 mm diameter, 7 mm height (aluminium housing)

55 mm diameter, 3 mm height (Lu<sub>2</sub>O<sub>3</sub> ceramics)

Induced net dose rate for RadEye G20: 0.25 µSv/h (25 µrem/h).

Time requirement for response verification approx. 5 min.



Car Adapter Interface **Order number: 425067065**

- AAA NiMH cells can be charged in the instrument
- Continuous monitoring in the car / fire truck with lit backlight of the display
- RS 232 / USB / Bluetooth communication options



Inductive RadEye charger **Order number: 425067080**

In conjunction with the special battery lid (**Order number: 425067034**) and 2 standard NiMH AAA-cells, the inductive RadEye charger allows permanent operation of a RadEye G20-10 or RadEye G20-ER10.

The RadEye remains galvanically isolated from the external DC-supply.



**Special battery lid**



**Inductive charger**

<b>Detector</b>	Pan cake GM with multi-element energy filter
<b>Measuring Range (RadEye G20-10)</b>	0.01 µSv/h – 2 mSv/h
<b>Measuring Range (RadEye G20-ER10)</b>	0.01 µSv/h – 100 mSv/h
<b>Energy Range (ambient equivalent dose rate)</b>	17 keV – 1.3 MeV (± 20%)
<b>Response</b>	approx. 4 cps / µSv/h (every meter is individually calibrated)
<b>Linearity</b>	- 9% to +11%
<b>Temperature Range</b>	-20°C - +50°C

This specification sheet is for informational purposes only and is subject to change without notice. Thermo Fisher Scientific makes no warranties, expressed or implied, in this product summary.  
© 2007 Thermo Fisher Scientific Inc. All rights reserved. LITRadEyeG20-10\_G20-ER10-e-V1.3\_14Nov07

[www.thermo.com](http://www.thermo.com)

**Thermo**  
SCIENTIFIC

**USA:**  
27 Forge Parkway  
Franklin MA 02038  
USA  
+1 (800) 274-4212  
+1 (508) 520 2815 fax

**UK:**  
Bath Road  
Beenham, Reading RG7 5PR  
England  
+44 (0) 118 971 2121  
+44 (0) 118 971 2835 fax

**Germany/International:**  
Frauenauracher Straße 96  
D 91056 Erlangen  
Germany  
+49 (0) 9131 909-0  
+49 (0) 9131 909-205 fax