



## RadEye G20-ER10 X-Ray and Gamma Survey Meter

Dose Rate Limit 100mSv/h (10rem/h)

425068710

<b>Radiation Type</b>	X-Ray, Gamma
<b>Type</b>	Survey Meter
<b>Applications</b>	Civil defense/fire brigades, hospitals, nuclear industry, and the pharmaceutical industry
<b>Description</b>	RadEye G20-ER10 X-Ray and Gamma Survey Meter
<b>Detectors</b>	Pancake GM with multi-element filter
<b>Height (English)</b>	5.12 in.
<b>Height (Metric)</b>	130mm
<b>Depth (English)</b>	2.44 in.
<b>Depth (Metric)</b>	62mm
<b>Sensitivity</b>	0.01 $\mu$ Sv/h-2mSv/h
<b>Temperature (English) Operating</b>	-4 to +122°F
<b>Temperature (Metric)</b>	-20° to +50°C



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<b>Operating</b>	
<b>Weight (English)</b>	10.6 oz.
<b>Weight (Metric)</b>	300g
<b>Width (English)</b>	2.64 in.
<b>Width (Metric)</b>	67mm
<b>Measurement Ranges</b>	0.01 $\mu$ Sv/h to 100mSv/h
<b>Energy Range</b>	17 keV to 3 MeV( $\pm$ 30%); 17 keV to 3.0 MeV according to IEC 60846-1 (2009)
<b>Battery Life</b>	More than 500 hours on two AAA batteries
<b>Battery Type</b>	2 AAA batteries
<b>Certifications/Compliance</b>	Designed to meet and exceed IEC 60846-1.
<b>Display Type</b>	Backlit LCD
<b>Dose Rate Limit</b>	100mSv/h (10rem/h)
<b>Item Description</b>	RadEye G20-ER10 X-Ray and Gamma Survey Meters; Upper dose rate limit: 100 mSv/h (10rem/h)
<b>Linearity</b>	+/- 10% within the measurement range



<b>Response Time</b>	Approx. 4 cps per $\mu\text{Sv/h}$
<b>Units</b>	Sv/h; rem/h
<b>Unit Size</b>	Each

Nuclear medicine personnel who work with medical isotopes or in facilities that use radiation need to monitor their risk of exposure at all times. Protect employees and meet occupational safety regulations with the Thermo Scientific™ RadEye G20-10 and G20-ER10 X-ray and Gamma Survey Meters. These lightweight, compact Geiger counters are ideal for ambient equivalent dose and dose rate measurement, with a flat energy response curve from 17keV to 1.3MeV according to ambient equivalent dose  $H^*(10)$ . The RadEye G20-ER10 model covers the whole dose rate range from background to 100 mSv/h.

RadEye G20-10 / G20-ER10 X-Ray and Gamma Survey Meters for ambient equivalent dose and dose rate measurement are the perfect Geiger counters for nuclear industry personnel as well as civil defence, fire brigades, and hospital and pharmaceutical industry employees who work with radiation-emitting equipment.

- Fast response, even below 1  $\mu\text{Sv/h}$ .
- Rugged, compact design with thick rubber protective cover.
- Menu-driven user interface for low training cost and immediate familiarity.
- Huge internal data memory for both scaler results and continuous data recording.
- Bright backlit LCD display, offering plain text messages in multiple language choices.
- Audible indication: single pulse or chirper mode proportional to count rate.
- Earphone output for operation in loud environments.



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