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 µSv/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

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.
Detector: Pan cake GM with multi-element energy filter

Measuring Range (RadEye G20-10) 0.01 µSv/h – 2 mSv/h
Measuring Range (RadEye G20-ER10) 0.01 µSv/h – 100 mSv/h

Energy Range (ambient equivalent dose rate) 17 keV – 1.3 MeV (± 20%)

Response: approx. 4 cps / µSv/h (every meter is individually calibrated)

Linearity: -9% to +11%

Temperature Range: -20°C - +50°C

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Order numbers:
- Gamma test-adaptor for RadEye G20-10/G20-ER10: 4254948
- Car Adapter Interface: 425067065
- Inductive RadEye charger: 425067080
- Special battery lid: 425067034
- Inductive charger: 415067080

Inductive RadEye charger
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.

Accessories
- Gamma test-adaptor for RadEye G20-10/G20-ER10 (50 g Lu₂O₃)
- 62 mm diameter, 7 mm height (aluminium housing)
- 55 mm diameter, 3 mm height (Lu₂O₃ 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: 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

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