

The RadEye GX is a modern and compact multi purpose meter that fits for most any external Geiger-Mueller detector

RadEye GX

Survey Meter for external Geiger-Mueller probes



Key Features and Benefits

- The RadEye GX can operate with virtually any manufacturer's GM probe
- Up to 16 different probe configurations are selectable in a submenu
- Easy to replace probes in-the-field, with a simple button-push
- Weighs only 160 g (5.6 oz) with rubber protection, without cable, 110 mm x 67 mm x 62 mm (4.3" x 2.6" x 2.4")
- Versatile operation modes

The RadEye GX is a modern compact multi-purpose survey meter for external Geiger Mueller counter tubes. General count rate and surface contamination measurements can be performed as well as dose rate measurements.

As part of the growing RadEye product family of high-end stand-alone meters, the RadEye GX is designed to exceed the most demanding user expectations.

Due to the clear and large display all essential functions and software parameters can be easily accessed. The display and the alarm-LED can be seen while the instrument is worn in the transparent case.

All settings and the data analysis can be done by an optional Windows™-based PC-software and a reader device.

The last 1500 mean and maximum values of the count rate or dose rate are recorded internally and can be read out via a serial interface. Additionally the RadEye GX logs the last 250 alarms, error messages and changes of the configuration.

Operation modes:

- Scaler / Timer with preset count and preset time for sample measurements
- Continuous ratemeter mode for frisker operation
- Dose rate mode



RadEye BTcom cover for Bluetooth® communication

Options and Specifications

RadEye GX Technical Data

Measured quantities	Count rate (cps, cpm), surface contamination (Bq, dps, dpm, Bq/cm ²), dose rate (R/h, Sv/h, rem/h).
Background subtraction	In count rate and contamination mode.
Measuring range	Default: 10,000 cps - extendable by individual probe calibration.
Probe cables	RG 58, max. 1.5 m (59") – MHV connector, different (probeside) HV connectors available, please call us.
High voltage range	350 V...1100 V with output impedance 1 M Ω .
Probe library	16 different detectors with corresponding high voltage, calibration factor, dead time correction, overload threshold, detector area and timeout for detector failure. Default values for HP-190A, HP-210, HP-270, HP-290, HP-360 and EP-15 are factory preset.
Alarm threshold	Two alarm thresholds for count rate, activity, dose and dose rate each
Audible alarm intensity	80 dB at a distance of 30 cm (11.8").
Working temperature	-20°C ... + 50°C (-4°F ... 122°F).
Relative humidity	10 ... 90 % at 35°C (95°F) not condensing.
Operating voltage	1,8 ... 4 V, battery low voltage starting from 2.3 V.
Scaler/Timer	Preset count, preset time.
EMC	Disturbance emission: EN 61000-6-3, Immunity : EN 61000-6-2.
Size	110 mm x 67 mm x 62 mm (4.3" x 2.6" x 2.4"), with rubber protection, without cable.
Weight	Around 160 g (0.35 lb) including AAA cells and protection sleeve.
Internal memory	The last 1500 measured values are saved and can be read out via PC program. Max and mean value of count rate and dose rate. The time interval is factory preset to 120 s by default. As well scaler measurements and momentaneous readings can be stored manually. Logbook with 250 entries for changes of configuration, occurring alarms and errors
Averaging filters	Ratemeter filter type: Advanced Digital Filter (ADF), Digital RC-Filter with time constant, 1s...180 s, depending on count rate and count rate change.
Battery life time	Depends on external detector (required high voltage and dynode chain impedance), > 500 h for instrument alone.

RadEye GX Accessories

Transparent case with lanyard # 425067044			
The RadEye BTcom cover with manual and RadEye.exe update installation file # 425067087		Holder with vacuum cup and goose neck # 425522005	
Probe cables MHV to MHV and MHV to PET, various lengths available		Right-angle-plug converter # KT 162245107	
Battery lid # 425067034 for inductive chargers		Desktop holder and inductive charger # 425067083	

© 2010 Thermo Fisher Scientific Inc. All rights reserved. Windows is a registered trademark of Microsoft Corporation in United states and other countries. Bluetooth is a trademark of Bluetooth SIG, Inc., Bellevue, Washington, U.S.A. All other trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Results may vary under different operating conditions. Thermo Fisher Scientific makes no warranties, expressed or implied, in this product summary. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representatives for details. LITRadEye GX-e-V1.0_19Jan10

Europe, Africa, Middle East & Countries Not Listed

Frauenauracher Strasse 96 +49 (0) 9131 998-226
D 91056 Erlangen, Germany +49 (0) 9131 998-172 fax
customerservice.eid.erlangen@thermofisher.com

China

7th Floor, Tower West, Yonghe Plaza +86 10 8419 3588
No. 28 Andingem E. Street, Beijing, 100007 China +86 10 8419 3581 fax
info.eid.china@thermofisher.com

Singapore

11 Biopolis Way, Helios, Units #12-07/08 +65 6478 9728
Singapore 138667 +65 6478 9505 fax
info.eid.singapore@thermofisher.com

United Kingdom

Bath Road, Beenham, +44 (0) 118 971 5042
Reading RG7 5PR United Kingdom +44 (0) 118 971 2835 fax
customerservice.eid.beenham@thermofisher.com

USA, Canada, Mexico, Central & South America

27 Forge Parkway +1 (508) 553 1700
Franklin, MA 02038 USA +1 (800) 274 4212 US toll-free
info.eid@thermofisher.com +1 (508) 520 2815 fax

India

Plot No. C -327, T.T.C. Industrial Area, Pawne +91-22-41578800
Navi Mumbai 400 705, India +91-22-41578801 fax
info.eid.india@thermofisher.com

www.thermo.com/rmp

Thermo
SCIENTIFIC