



Dose Rate Meter GRAETZ X5CEx

for your personal radiation protection and the use
in potentially explosive atmospheres

- PTB-approved dose rate meter for measuring gamma radiation and X-rays for the ambient dose equivalent rate \dot{H}^* (10)
- detector: energy compensated GM-tube
- large, digital indication of measured values on LC-display (illuminable)
- selectable dose rate or dose indication with integration time
- additional quasi-analogue indication of dose rate (3,5 decades, logarithmic bargraph)
- indication of peak and average value of dose rate
- 4 free programmable dose and dose rate alarm thresholds
- automatic or manual storage of measured dose rate values together with date and time
- evaluation / indication of residual time for staying in the current radiation field with regard to maximum allowed dose
- switchable acoustic single-pulse indication
- clear menu-driven user navigation for easy operation, partly secured by password
- storage of set parameters also when device is switched off
- continuous self-testing and monitoring to ensure high reliability
- compact metallized housing made of high impact-proof plastic, easy to decontaminate, protection class IP67
- power supply by firmly installed 9V accumulator
- external probe for measurements at „hard-to-get-to“ places
- automatic probe identification

Necessary accessories:


- **Recharger 461 L** for recharging the built-in accumulator

Optional accessories:

- **Probe 18550 CEx** for measurements at „hard-to-get-to“ places
- **Probe cable „CEx“**, length: 1,25 m (not extendable)
- **Leather bag „D“** for accommodating the basic unit, the probe and the cable



Technical Data

Measuring Instrument	X5CEx	Probe 18550 CEx
Measuring ranges:		
- dose rate	0 nSv/h – 20 mSv/h	
- dose	0 nSv – 10 Sv	
- PTB dose rate ¹⁾	1,0 µSv/h – 20 mSv/h	10 µSv/h – 20 mSv/h
Energy range:	40 keV – 1,3 MeV	75 keV – 1,3 MeV
Dose rate alarm thresholds:	4, free programmable, 0 µSv/h – 20 mSv/h	
Dose alarm thresholds:	4, free programmable, 1 µSv – 10 Sv	
Temperature range:	- 20 °C up to +40 °C	
Dimensions / Weight:	(152 x 82 x 39) mm, approx. 475 g	Ø 40 mm x 126 mm, approx. 250 g
PTB-Approval No.:	23.51 / 05.02	none
ATEX-Approval No.: (acc. to directive 94/9/EG)	BVS 04 ATEX E 044 (test report: BVS PP 04.2028 EG)	
Marking:	 II2 EEx ib IIB T6 IM2 EEx ib I	

¹⁾ PTB-approved measuring range for measurements specifically demanded by German regulations



GRAETZ Strahlungsmeßtechnik GmbH

Westiger Straße 172 · D-58762 Altena / Germany
P.O. Box 81 00 · D-58754 Altena / Germany
Phone +49-2352-70070 · Fax +49-2352-700710
E-Mail: info@graetz.com
Website: www.graetz.com