



Dose Rate Measuring System

GRAETZ X5C *plus*

for personal radiation protection

- dose rate meter for measuring gamma radiation and X-rays
- measurand: $\dot{H}^*(10)$ (ambient dose rate equivalent)
- 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 dose rate value
- 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 the maximum allowed dose
- switchable acoustic single-pulse indication
- clear menu-driven user navigation for easy operation, partly secured by password
- storage of set parameters even when the device is switched off or during battery change
- continuous self-testing and monitoring ensure high reliability
- compact metallized housing made of high impact-proof plastic, easy to decontaminate, protection class IP67
- RS-232 interface
- basic unit can be combined either directly or by probe cable with various probes (see separate leaflet):
 - for extending the measuring range up to 10 Sv/h
 - for detecting α -, β - and γ -radiation
 - for measuring in liquids
 - for measurements at „hard-to-get-to“ places
 - Telescope Probe DE for measurements from a safe distance
 - Scintillation probe 2002 for measuring low dose rates



Technical Data

Dose rate indication range:	0 nSv/h – 20 mSv/h
PTB-approved dose rate range: ¹⁾	1.0 μ Sv/h – 20 mSv/h
Dose indication range:	0 nSv – 10 Sv
Dose measuring range:	0.5 μ Sv – 10 Sv
Energy range:	40 keV – 1.3 MeV
Dose rate alarm thresholds:	4, free programmable in the range 1 μ Sv/h – 20 mSv/h
Dose alarm thresholds:	4, free programmable in the range 1 μ Sv – 10 Sv
Temperature range:	-30°C up to +60°C
Dimensions:	(152 x 82 x 39) mm
Weight:	approx. 400 g
Power supply:	9V battery 6LR61
Alarm:	80 dB(A) measured in 30 cm distance
PTB Approval No.:	23.51/04.01
German Fire Brigades Approval No.:	DL/FW/IdF 080221/1

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

12/2013

Subject to
technical change



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