

Dose Rate Measuring System GRAETZ X 5 C plus for personal radiation protection

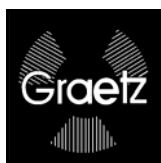


- dose rate meter for measuring gamma radiation and X-rays for the measuring size \dot{H}^* (10) (ambient dose equivalent rate)
- detector: filtered Geiger-Müller-tube
- large, digital indication of measured values on LC-display (illuminable)
- selectable dose rate or dose indication with integration time
- additional quasi-analogue indication of dose rate (3,5 decades, logarithmic bar graph)
- 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 operator guidance for easy operation, partly secured by password
- storage of set parameters also when the device is switched off or during battery replacement
- continuous self-testing and monitoring ensure high reliability
- compact metallized housing made of high impact-proof plastic, easy to decontaminate, sealed for submersion up to 1 m depth (IP67)
- power supply by 9V-energy block 6LR61
- EMC-screened
- 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
- when using GRAETZ „CE“-probes, measuring size is \dot{H}^* (10) (ambient dose equivalent rate)
- when using GRAETZ “D/DE“-probes, measuring size is H_x (photon dose equivalent rate)

Technical Data

Measuring ranges: - dose rate: - PTB-approved dose rate ¹⁾ : - dose:	0 nSv/h – 20 mSv/h 1,0 μ Sv/h – 20 mSv/h 0 nSv – 10 Sv
Energy range:	40 keV – 1,3 MeV
Dose rate alarm thresholds:	4, free programmable, 1 μ Sv/h – 20 mSv/h
Dose alarm thresholds:	4, free programmable, 1 μ Sv – 10 Sv
Temperature range:	- 30 °C up to + 60 °C
Dimensions:	(152 x 82 x 39) mm
Weight:	approx. 400 g
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 authorities.



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: STMA-GRAETZ@t-online.de
Homepage: www.graetz.com