

DOSE RATE MEASURING SYSTEM

GRAETZ X5C *plus* SE

for personal radiation protection

پتروفهران گستر جنوب

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Product features

- ▲ Special version of the PTB approved X5C *plus* with additional features
- ▲ 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 and with colored (red) warning function
- ▲ 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 metallised housing made of high impact-proof plastic, easy to decontaminate, protection class IP67
- ▲ RS-232 interface
- ▲ From February 2022 on optionally available with readout software
- ▲ 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
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 (standard: 7,5 μ Sv/h, 25 μ Sv/h, 40 μ Sv/h, 300 μ Sv/h), free programmable in the range 1 μ Sv/h – 20 mSv/h
Dose alarm thresholds:	4 (standard: 200 μ Sv, 500 μ Sv, 1000 μ Sv, 2 mSv), 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
Acoustic alarm:	65 dB(A) measured in 30 cm distance

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