


GRAETZ Doserate Meter X 5 CEx

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

- doserate meter for measuring gamma radiation and X-rays
- detector: energy compensated Geiger-Müller tube
- large, digital indication of measured values on LC-display (illuminable)
- selectable doserate or dose indication (with integration time)
- additional quasi-analog indication of dose-rate (3,5 decades, logarithmic bar graph)
- indication of peak and average value of doserate
- 4 free programmable dose and doserate alarm thresholds
- automatic or manual storage of measured doserate 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
- menu-driven operator guidance for easy operation, partly secured by password
- storage of set parameters also when device is switched off or during accumulator replacement
- continuous self-testing and monitoring to ensure high reliability
- metallized, compact housing made of high impact-proof plastic (easy to decontaminate), sealed for submersion up to 1 m depth (IP67)
- power supply by firmly installed 9V accumulator
- external probe for measurements at „hard-to-get-to“ places
- automatic probe identification
- EMV-proof
- measuring size: ambient doserate equivalent H*(10)
- **Absolutely necessary accessories:**
 - **Recharger 461 L** for recharging the built-in accumulator
- **Optional accessories:**
 - **Probe 18 550 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 | X 5 CEx | Probe 18 550 CEx |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Doserate indication range: | 0 nSv/h – 20 mSv/h | |
| Doserate measuring range: | 1,0 µSv/h – 20 mSv/h | 10 µSv/h – 20 mSv/h |
| Dose indication range: | 0 nSv – 10 Sv | |
| Energy range: | 40 keV – 1,3 MeV | 75 keV – 1,3 MeV |
| Doserate 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 PP 04.2028 EG | |
| Marking: |  II 2G EEx i b II BT6 I M2 EEx i b I | |



PLEASE NOTE:

The X 5 CEx optically corresponds to the doserate meter X 5 C plus



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