

DOSE RATE METER

GRAETZ GammaTwin S

Product features

- ▲▲ Small and handy dose rate meter for the measurement of gamma radiation and X-rays for ambient dose rate equivalent $\dot{H}^*(10)$ and ambient dose equivalent $H^*(10)$ (local dose) ¹⁾
- ▲▲ Built-in detector: energy compensated GM tube
- ▲▲ Large digital indication of measured values on LC display (backlit)
- ▲▲ Selectable simultaneous or separate indication of dose and dose rate, additionally analogue indication of dose rate (logarithmic bargraph)
- ▲▲ Display of the dose rate history graph as a search function for the detection of radioactive sources
- ▲▲ 4 preset dose and dose rate alarm thresholds; upon request GRAETZ changes the standard alarm thresholds according to customer requirements
- ▲▲ Switchable acoustic single-pulse indication
- ▲▲ Automatic and continuous storage of the dose into a non-volatile memory
- ▲▲ Storage of the dose and of set parameters even during battery change
- ▲▲ Permanent self test
- ▲▲ Designed for rough use, housing made of aluminium, protection class IP54 (splash proof)
- ▲▲ Menu-driven user navigation
- ▲▲ Supplied with robust nylon bag
- ▲▲ **Connection facility for an external probe:**
 - **18526 D** or **ABG170** for contamination measurement (α , β , γ)
 - **immersion counter tube** (β , γ)
 - NaI-scintillation probe **2002** for high-sensitive measurements (β , γ)
- ▲▲ **With connected probe:**
 - Display of measured values in cps
 - Display of the pulse rate history graph as a search function for the detection of radioactive sources or contaminations
 - Pre-selectable alarm thresholds: 2x background or 3x background

¹⁾ Detecting personal dose requires a measuring instrument with the measurand $H_p(10)$.



GammaTwin S with pulse probe 18526 D



GammaTwin S with contamination probe ABG170

| Technical Data | | |
|-----------------------------|--|--|
| Indication ranges: | Dose rate: | 0 nSv/h – 50 mSv/h |
| | Dose: | 0 nSv – 1.0 Sv |
| Measuring ranges: | Dose rate: | 0.5 μ Sv/h – 50 mSv/h |
| | Dose: | 0.5 μ Sv – 1.0 Sv |
| | Cps: | according to technical data of the connected probe |
| Energy range: | 40 keV – 1.3 MeV | |
| Dose rate alarm thresholds: | 7.5 μ Sv/h, 25 μ Sv/h, 40 μ Sv/h, 300 μ Sv/h | |
| Dose alarm thresholds: | 200 μ Sv, 500 μ Sv, 1 mSv, 2 mSv | |
| Temperature range: | -20 °C up to +60 °C | |
| Dimensions: | Approx. 28 x 67 x 105 mm | |
| Weight: | Approx. 200 g (with batteries) | |
| Power supply: | 2 batteries 1.5 V (type AAA) | |
| Acoustic alarm: | approx. 80 dB(A) measured in 30 cm distance | |