



Dose Rate Meter

GRAETZ GammaTwin S

- 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 Geiger-Müller-tube
- large, digital indication of measured values on LC-display (backlit)
- selectable simultaneous or separate indication of dose and dose rate, additionally analog 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
- additionally 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 **ZP1083 D** (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⁾ For detecting the personal dose a measuring instrument with the measurand $H_p(10)$ is required.



GammaTwin S with pulse probe 18526 D



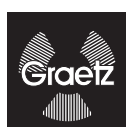
GammaTwin S with contamination probe ABG170

Technical Data

Indication ranges: - dose rate - dose	0 nSv/h – 50 mSv/h 0 nSv – 1 Sv
Measuring ranges: - dose rate - dose - cps	0.5 μ Sv/h – 50 mSv/h 0.5 μ Sv – 1.0 Sv acc. 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, 1000 μ Sv, 2000 μ Sv
Temperature range:	-20 °C up to +60 °C
Power supply:	2 batteries 1.5V (type AAA)
Acoustic alarm:	approx. 80 dB(A) measured in 30 cm distance
Dimensions:	(26 x 66 x 103) mm
Weight:	190 g (with batteries)

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Subject to technical change



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