

05-2022 Subject to change

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 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, y)
 - immersion counter tube (β, γ)
 - Nal-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



GammaTwin S with pulse probe 18526 D



Technical Data		
Indication ranges:	Dose rate: Dose:	0 nSv/h – 50 mSv/h 0 nSv – 1.0 Sv
Measuring ranges:	Dose rate: Dose: Cps:	0.5 μ Sv/h = 50 mSv/h 0.5 μ Sv = 1.0 Sv according to technical data of the connected probe
Energy range:	40 keV – 1.3 MeV	
Dose rate alarm thresholds:	7.5 μSv/h, 25 μSv/h, 40 μSv/h, 300 μSv/h	
Dose alarm thresholds:	200 μSv, 500 μSv, 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	

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