

## **PRODUCT DATA SHEET**

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) <sup>1)</sup>
- 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)
- Monu driven uppr paying tion
- Menu-driven user navigation
- Supplied with robust nylon bag
- Connection facility for an external probe:
  - **18526 D** or **ABG170** for contamination measurement ( $\alpha$ ,  $\beta$ ,  $\gamma$ ) **immersion counter tube** ( $\beta$ ,  $\gamma$ )
  - Nal-scintillation probe **2002** for high-sensitive measurements ( $\beta$ ,  $\gamma$ )
- With connected probe:

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- 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
- <sup>1)</sup> Detecting personal dose requires a measuring instrument with the measurand Hp(10).



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 – 1.0 Sv
Measuring ranges:	Dose rate: Dose: Cps:	0.5 $\mu$ Sv/h – 50 mSv/h 0.5 $\mu$ 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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