



## Dose Rate Meter

# GRAETZ GammaTwin

- small and handy, PTB-approved <sup>1)</sup> 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) <sup>2)</sup>
- 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)
- 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 at battery change
- permanent self test
- designed for rough use, housing made of aluminium, protection class IP54 (splash proof)
- menu-driven user navigation
- supplied with a robust nylon bag

<sup>1)</sup> Physikalisch-Technische Bundesanstalt, Braunschweig

<sup>2)</sup> For detecting the personal dose a measuring instrument with the measurand  $H_p(10)$  is required.



### Technical Data

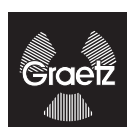
Dose rate indication range:	0 nSv/h – 70 mSv/h
Dose rate measuring range:	0.5 µSv/h – 70 mSv/h
Dose indication range:	0 nSv – 1.0 Sv
Dose measuring range:	0.5 µSv – 1.0 Sv
Energy range:	45 keV – 1.3 MeV
Dose rate alarm thresholds:	7.5 µSv/h, 25 µSv/h, 40 µSv/h, 300 µSv/h
Dose alarm thresholds:	200 µSv, 500 µSv, 1000 µSv, 2000 µSv
Temperature range:	-20 °C up to +60 °C
Power supply:	2 batteries 1.5 V (type AAA)
Acoustic alarm:	80 dB(A) measured in 30 cm distance
PTB-Approval No.:	23.51 / 10.02
Dimensions:	(26 x 66 x 103) mm
Weight:	190 g (with batteries)

#### Available special version:

**GammaTwin S** with connection facility for external probes (such as the NaI-scintillation probe 2002 for high-sensitive  $\beta$ - and  $\gamma$ -measurement or the large-area probe ABG170 for the detection of contaminations)

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Subject to  
technical change



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