

# DOSE RATE METER

## GRAETZ GammaTwin

### Product features

- ☸ Small and handy, PTB<sup>1)</sup> approved 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 GM 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> Detecting the personal dose requires a measuring instrument with the measurand  $H_p(10)$ .

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 threshold:	200 µSv, 500 µSv, 1 mSv, 2 mSv
Temperature range:	-20°C up to +60°C
Dimensions:	approx. 26 x 66 x 103 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
PTB Approval No.:	23.51/10.02

### Special version

**GammaTwin S** with connection facility for external pulse probes (such as the high-sensitive NaI-scintillation probe 2002 or the large-area probe ABG170)