

# ELECTRONIC PERSONAL DOSEMETER

## GRAETZ GPD150G/GPD150GF/GPD150GF-V

with dose and dose rate alarm functions

- ☸ Dosemeter for measuring gamma radiation and X-rays for the dose equivalent  $H_p(10)$
- ☸ Detector: energy compensated GM tube
- ☸ Switchable acoustic single-pulse indication
- ☸ Menu-driven user navigation
- ☸ Storage of the dose and of the set parameters even during battery change
- ☸ Four preset dose alarm thresholds
- ☸ One preset dose rate alarm threshold
- ☸ Optical and acoustical alarm
- ☸ High reliability by continuous self-monitoring
- ☸ Small and handy housing, easy to decontaminate, protection class IP54
- ☸ Operating life with one battery set at ambient background radiation approx. 1 month during 24 hours operation and 3 months during 8 hours operation
- ☸ Acoustic battery alarm
- ☸ Including mounting clip and device bag



Technical Data			
	GPD150G	GPD150GF	GPD150GF-V
Dose indication range:	0 nSv – 10 Sv		
Dose measuring range:	1 µSv – 10 Sv		
Dose rate range for dose measurement:	0.1 µSv/h – 1.0 Sv/h		
Energy range:	55 keV – 3 MeV		
Dose alarm thresholds*:	200 µSv 500 µSv 1,000 µSv 2,000 µSv	1 mSv 20 mSv 100 mSv 250 mSv	
Dose rate alarm threshold:	25 µSv/h	1 Sv/h (cannot be switched off or acknowledged)	
Temperature range:	-20°C bis +60°C		
Power supply:	2 batteries 1.5 V (type AAA)		
Acoustic alarm:	approx. 80 dB(A) in 30 cm distance		
Dimensions:	59 x 71 x 25/17 mm		
Weight (batteries included):	approx. 110 g (with plastic clip)		

\* On request adjustment of customised alarm thresholds between 10 µSv – 10 Sv possible.

### GPD150GF/GPD150GF-V

Device variants designed for German Fire Brigades and Civil Defense additionally with:

- ☸ Calculation of the residual time until the dose alarm in high dose rate fields is triggered
- ☸ Whenever switching on the GPD150GF the alarm threshold 20 mSv is automatically activated
- ☸ **GPD150GF-V:** Additional vibration alarm when dose and dose rate alarm thresholds are exceeded