

# ELECTRONIC PERSONAL DOSEMETER

## GRAETZ GPD150G/GPD150GF/GPD150GF-V

with dose and dose rate alarm functions

### Product features

- ▲▲ 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:	0.00 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 – 1.3 MeV		
Dose alarm thresholds*:	200 μSv 500 μSv 1.00 mSv 2.00 mSv		1 mSv 15 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:	Approx. 59 x 71 x 30/17 mm		
Weight (batteries included):	Approx. 110 g		

\* 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 15 mSv is automatically activated
- ▲▲ **GPD150GF-V:** Additional vibration alarm when dose and dose rate alarm thresholds are exceeded