

# 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 – 1,3 MeV                             |                                                 |            |
| Dose alarm thresholds:                | 200 µSv<br>500 µSv<br>1,000 µSv<br>2,000 µSv | 1 mSv<br>20 mSv<br>100 mSv<br>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)            |                                                 |            |

### 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