

# DOSE RATE ALARM UNIT

## GRAETZ GammaSmart two

### for personal radiation protection

#### Product features

The dose rate alarm unit **GammaSmart two** is a very robust, battery operated and easy to handle pocket-sized alarm unit designed for personal radiation protection.

It is detecting gamma radiation and X-rays, indicating these with clear optical and acoustical single pulses. An increasing dose rate leads to an increasing pulse rate.

The splash-proof aluminium housing (IP54) ensures a shielding against electromagnetic influence. An optical battery control indicates the GammaSmart's readiness for use.

A plastic clip is used for attaching the dose rate alarm unit to the clothing.

#### Optional:

**GammaSmart two V40** with a dose rate alarm threshold at 40  $\mu\text{Sv/h}$  for the use in the field of non-destructive testing (NDT) during radiographic tests. For portable use, the local dose rate shall not exceed 40  $\mu\text{Sv/h}$ .



Technical Data	
Type of radiation:	Gamma radiation/X-rays
Detector:	GM tube
Maximum permissible dose rate:	1 Sv/h
Sensitivity:	Approx. 6 counts/minute at 3 $\mu\text{Sv/h}$
Ambient background radiation:	Approx. 1 count in 2 minutes (at approx. 100 nSv/h)
Energy range:	Approx. 35 keV to 1,3 MeV
Temperature range:	-20°C up to +40°C
Acoustic alarm:	Approx. 84 dB (A) at a distance of 30 cm
Power supply:	2 batteries 1.5 V (type AAA)
Housing:	Aluminium
Protection class:	IP54 (protected against splash water)
Dimensions:	Approx. 59 x 71 x 30/17 mm
Weight:	Approx. 90 g (with batteries)
Optional dose rate alarm threshold:	40 $\mu\text{Sv/h}$ (valid for version V40)