

Ex **Dose Rate Alarm Unit** **Ex**
GRAETZ GammaSmart V.Ex
 for personal radiation protection in
 explosion engangered atmospheres



The dose rate alarm unit GammaSmart V.Ex is a very robust and easy to handle pocket-sized alarm unit. It is accumulator operated and designed for the personal radiation protection.

It detects 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 (IP 54) ensures a shielding against electromagnetic influence. An optical battery control indicates the GammaSmart's readiness for use.

Recharge of the built-in accumulator requires the recharger unit GRAETZ „462 L“.

Technical Data

Type of radiation:	gamma radiation / X-rays
Detector:	GM-tube
Sesitivity:	at 3 µSv/h approx. 1 count/min
Ambient background radiation:	approx. 1 count/2 min.
Acoustic alarm:	> 85 dB(A) measured in 30 cm distance
Temperature range:	-20 °C up to +40 °C
Power supply:	lithium-polymer accumulator
Operating time with fully charged accumulator:	at ambient background radiation 2 months minimum
Recharging time:	approx. 1 hour
Housing:	aluminium
Dimensions:	approx. (95 x 50 x 20) mm
Weight:	approx. 150 g
ATEX Approval No.:	BVS 06 ATEX E 148
Marking:	Ex II 2G EEx ib IIB T4 Ex

