



Dose Rate Alarm Units

GRAETZ GammaSmart one GRAETZ GammaSmart two



for personal radiation protection

The dose rate alarm units **GammaSmart one/two** are very robust, battery operated and easy to handle pocket-sized alarm units designed for the personal radiation protection. The **GammaSmart one** (see figure) is also approved for the use in potentially explosive atmospheres of zone 1.

They detect 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 instruments to the clothing.

Optional: **GammaSmart one/two V40** with a dose rate alarm threshold at 40 $\mu\text{Sv/h}$.



Technical Data

Type of radiation:	gamma radiation/X-rays
Detector:	GM tube
Sensitivity:	at 3 $\mu\text{Sv/h}$ approx. 6 counts/minute
Ambient background radiation:	approx. 1 count in 2 minutes
Temperature range:	-20°C up to +40°C
Power supply:	2 batteries 1.5 V (type AAA)
Housing:	aluminium
Dimensions:	(72 x 60 x 22) mm
Weight:	approx. 100 g (with batteries)
Optional dose rate alarm threshold:	40 $\mu\text{Sv/h}$
GammaSmart one EC-Type Examination Certificate:	BVS 14 ATEX E 014 (test report: BVS PP 14.2035EG)
GammaSmart one Marking:	II 2G Ex ib IIB T4 Gb

09/2014

Subject to
change



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