



Dose Rate Alarm Unit

GRAETZ GammaSmart one



for personal radiation protection also in explosion endangered atmospheres

The dose rate alarm unit **GammaSmart one** is a very robust, battery operated and easy to handle pocket-sized alarm unit designed for the personal radiation protection also for the use in potentially explosive atmospheres of zone 1.

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 (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 **GammaSmart one** to the clothing. Alternatively a magnetic flap is available on request.

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

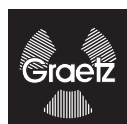


Technical Data

Type of radiation:	gamma radiation/X-rays
Detector:	GM tube
Sensitivity:	at 3 $\mu\text{Sv/h}$ approx. 1 count/minute
Ambient background radiation:	approx. 1 count in 2 minutes
Acoustic alarm:	84 dB (A) measured in 30 cm distance
Temperature range:	-20°C up to +40°C
Power supply:	2 batteries 1.5 V (type AAA)
Operating time:	at ambient background radiation approx. 2 - 3 months
Housing:	aluminium
Dimensions:	(72 x 60 x 22) mm
Weight:	approx. 100 g (with batteries)
EC-Type Examination Certificate:	BVS 14 ATEX E 014 (test report: BVS PP 14.2035EG)
Marking:	 II 2G Ex ib IIB T4 Gb 
Optional dose rate alarm threshold:	40 $\mu\text{Sv/h}$

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Subject to
change



GRAETZ Strahlungsmeßtechnik GmbH
Westiger Straße 172 • 58762 Altena • Germany
P.O. Box 81 00 • 58754 Altena • Germany
Phone: +49 2352 7007-0 • Fax: +49 2352 7007-10
E-mail: info@graetz.com • Website: www.graetz.com