

DOSE RATE ALARM UNIT

GRAETZ GammaTest C with four adjustable alarm thresholds

GRAETZ GammaTest F with alarm threshold at 25 µSv/h

Product features

The GammaTest is a light, robust, battery operated, pocket-sized dose rate alarm unit for radiation protection and for the detection of gamma and X-rays. The **GammaTest C** has four adjustable alarm thresholds. When exceeded, an optical (red LED) and acoustic alarm will be triggered. Values below are shown by the red LED signaling an increase or decrease of dose rate as optical single pulses by changing the flash frequency.

The dose rate alarm threshold 25 µSv/h is required by the German Fire Brigades Regulation (FwDV 500) for the determination of a danger zone. The alarm threshold 40 µSv/h is required in the range of non destructive testing (NDT) during radiographic processing (for example by X-rays): the local dose rate outside the control area may not exceed 40 µSv/h.

The splash-proof, anodized aluminium housing ensures a shielding against EMC influence.

The version **GammaTest F** is especially designed for German Fire Brigades: only one alarm threshold at 25 µSv/h relevant for Fire Brigade operations to simplify handling in emergency situations.



Technical Data	
Detector/Energy range:	GM tube/40 keV – 1.3 MeV
Measurand:	ambient dose equivalent rate $\dot{H}^*(10)$
Alarm thresholds:	GammaTest C: 25 µSv/h, 40 µSv/h, 1 mSv/h, 10 mSv/h GammaTest F: 25 µSv/h
Overload capacity:	> 500 mSv/h
Temperature range:	-30°C up to +60°C (operation) -40°C up to +70°C (storage)
Acoustic alarm:	approx. 80 dB(A) measured in 30 cm distance
Dimensions/Weight:	106 x 67 x 30 mm (without clip)/200 g
Operating life/ Power supply:	approx. 250 hours/2 batteries 1.5 V (type AAA)