

Dose Rate Alarm Unit GRAETZ GammaTest C with adjustable alarm thresholds

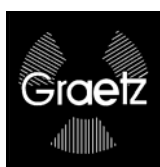
The GammaTest C is a light, robust battery operated pocket-sized dose rate alarm unit for the personal radiation protection for the detection of gamma and X-rays. Four different alarm thresholds can be adjusted. When being exceeded, an optical (red LED) and acoustic alarm will be triggered.

The dose rate alarm threshold 25 $\mu\text{Sv/h}$ is required by the German Fire Brigades Regulation (FwDV 500) for the determination of a danger zone. The alarm threshold 40 $\mu\text{Sv/h}$ 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 $\mu\text{Sv/h}$.

The splash-proof, anodically treated aluminium housing of the GammaTest C ensures a shielding against EMC influence.

Technical Data

Detector:	energy compensated Geiger-Müller tube
Energy range:	40 keV – 1,3 MeV
Measuring size:	ambient dose equivalent rate $H^*(10)$
Alarm thresholds:	25 $\mu\text{Sv/h}$, 40 $\mu\text{Sv/h}$, 1 mSv/h, 10 mSv/h
Overload capacity:	> 500 mSv/h
Temperature range:	-30 °C up to +60 °C (operation) -40 °C up to +70 °C (storage)
Acoustic Alarm:	> 80 dB(A) at 30 cm distance
Dimensions:	(106 x 67 x 23) mm, without clip
Operating life:	approx. 250 hours
Weight (with batteries):	190 g
Power supply:	2x AAA (LR03)



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