

# GAMMA RADIATION WARNING LIGHT

## GRAETZ GammaFlash

### Product features

The **GammaFlash** is a simple, robust, battery-operated dose rate warning device for the detection of gamma and X-rays.

The dose rate alarm threshold 25  $\mu\text{Sv/h}$  is used for fire brigade operations to determine the boundary of a danger area in accordance with the German fire service regulation FwDV 500. Below the alarm threshold, the **GammaFlash** shows its operational readiness by a red LED, the battery condition and, by means of the optical single pulse indication, an increase or decrease of the dose rate by changing the flashing frequency.

If the dose rate alarm threshold is exceeded, an acoustic and visual alarm is triggered. The acoustic alarm can be acknowledged with a push button on the outside of the instrument. In the test function the **GammaFlash** can also be used for general warnings.

For starting operation the device has to be opened by means of the bayonet lock which is easy to handle even with fire brigade gloves. The water jet tight, oil and fuel resistant plastic housing of the **GammaFlash** has a magnet integrated in the bottom part. Thus the gamma radiation warning light can be easily attached to suitable metal surfaces, if necessary.



### Options:

- ☸ For other applications, a customer-specific alarm threshold between 7.5  $\mu\text{Sv/h}$  and 10 mSv/h can be implemented by GRAETZ on request.
- ☸ Upon request individual labeling of the housing cover.

Technical Data	
Type of radiation:	$\gamma$ -radiation or X-rays (direct current systems)
Detector:	GM tube with energy filter
Measurand:	Ambient dose equivalent rate $\dot{H}^*(10)$
Energy range:	40 keV – 1.3 MeV
Alarm threshold:	25 $\mu\text{Sv/h}$
Overload capacity:	1 Sv/h
Temperature range:	-20°C up to +60°C (operation) -20°C up to +70°C (storage)
Acoustic alarm:	Approx. 84 dB (A) at a distance of 30 cm
Housing:	Plastic, protection class IP65
Dimensions:	Ø 86 x 54 mm
Weight:	Approx. 215 g
Power supply:	2 batteries 1.5 V (type AAA)
Operating time:	Approx. 250 h at ambient radiation in measurement mode