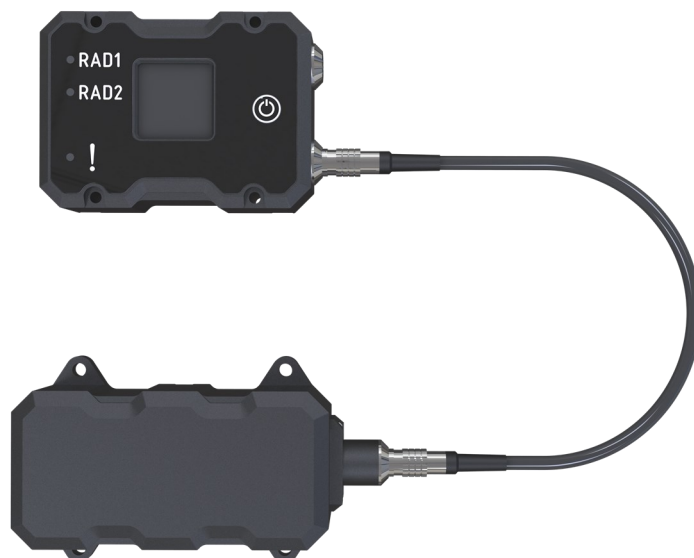




**CBRN  
PROTECTION  
TCT**



## GRD 3.1/3.2/3.3

### Gamma radiation detectors

**GRD** is a new generation of radiological detectors. It is intended for use as an emergency radiological detector in case of accidents at potentially hazardous facilities.

**GRD** is designed to be built into security systems and inside special vehicles as an element of collective protection system.

**GRD 3.1** includes one gamma radiation detector based on Geiger-Muller tube.

**GRD 3.2** includes two gamma radiation detectors (Geiger-Muller tube). One to be placed inside the facility and the other to monitor the background radiation outside the facility.

**GRD 3.3** includes two gamma radiation detectors. One detector based on Geiger-Mueller tube and the second - highly sensitive scintillator CsI(Tl).

Detector	CsI(Tl)
Sensitivity, gamma radiation:	$^{137}\text{Cs}$ 100 s <sup>-1</sup> /(μSv/h) $^{241}\text{Am}$ 100 s <sup>-1</sup> /(μSv/h)
Energy range	0.06 – 3.0 MeV
Dose equivalent rate (DER) measurement range	0.1 μSv/h – 100 μSv/h
DER measurement accuracy	±25%
Response time:	0.25 s
Operating temperature	- 30 / + 50 °C

Detector	G-M
Dose equivalent (DE) measurement range	0.1 μSv/h - 9999 mSv
Energy range	0.06 – 3.0 MeV
Dose equivalent rate (DER) measurement range	0.1 μSv/h – 10 Sv/h
DER measurement accuracy	±25%
Operating temperature	- 30 / + 50 °C

DC power supply voltage, V	12 - 24
MTBF, h	6000
Warm-up time	not more 2 min
Interfaces	CAN
Military standard	MIL STD 810G
Ingress protection	IP 65
Indication unit	LCD, 1.5"
Ingress protection	IP65
Alarm	Light/sound
Weight, kg	0.5

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