

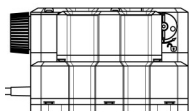
RCD 3.2



Radiological and chemical detector

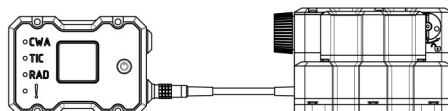


The RCD 3.1/3.2/3.3 provides detection of chemical warfare agents (CWA), toxic industrial chemicals (TIC), detection of radioactive sources and monitoring of radioactive contamination of the area



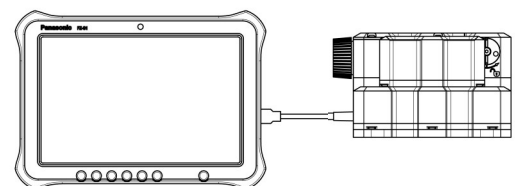
RCR 3.2

For integration into safety systems, unmanned aerial and ground vehicles



RCR 3.2 (indication unit)

Solution for special forces
Designed for integration inside armored vehicles as an element of collective protection system.



RCR 3.2 (shockproof tablet)

Designed for special vehicles of CBRNE and HAZMAT units, police, rescuers, border guards

Environmental radiological monitoring
Determination of the dose rate of gamma radiation
Localization of radioactive contamination areas

CWA detection
(Sarin, Soman, Mustard gas, Lewisite, Vx gases)
TIC detection (Chlorine, Ammonia)
Localization of hazardous areas

Website:

www.cbrnprotectiontct.org

Email:

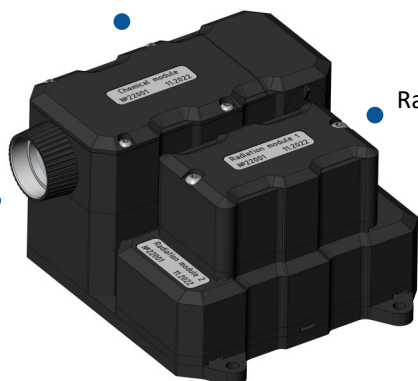
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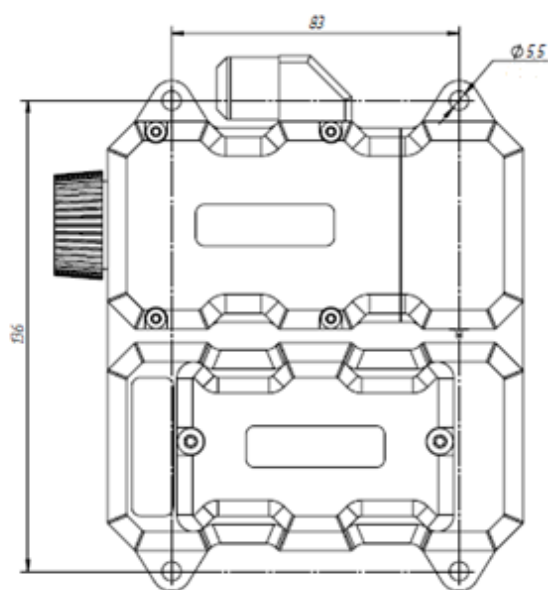
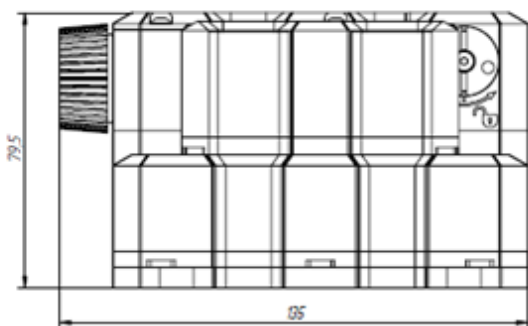
RCD 3.2 specifications

Chemical detector

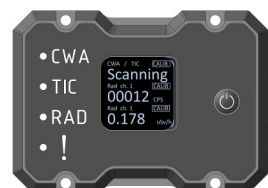


Radiological detector 1

Radiological detector 2



Indication unit



Navigation and indication tablet



Max alarm delay at dangerous gas concentrations, seconds	< 5
Alarm concentration of gases (error $\pm 25\%$), mg/m^3 :	
Sarin	2×10^{-1}
Soman	5×10^{-2}
V _x	2×10^{-2}
Mustard gas	2
Lewisite	2×10^{-1}
Ammonia	20
Chlorine	1
DER registration of gamma radiation (error $\pm 30\%$), $\mu\text{Sv}/\text{h}$ to Sv/h	0,1 to 2,0
Sensitivity to photon radiation in the energy range from 0.06 to 2.0 MeV, not less, $\text{s}^{-1}/\mu\text{Sv}/\text{h}$:	100 for ^{137}Cs
Operating temperature, $^{\circ}\text{C}$	± 40
Max temperature, $^{\circ}\text{C}$	± 60
Weight, kg	1.2
Protection	IP 67
Standard	MIL STD 810G
DC supply voltage, V	12 to 24
MTBF, h	10000
Possible interfaces	CAN, USB, RS-485

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