



Fixed Gas Detector

Rapid Pro RPR3



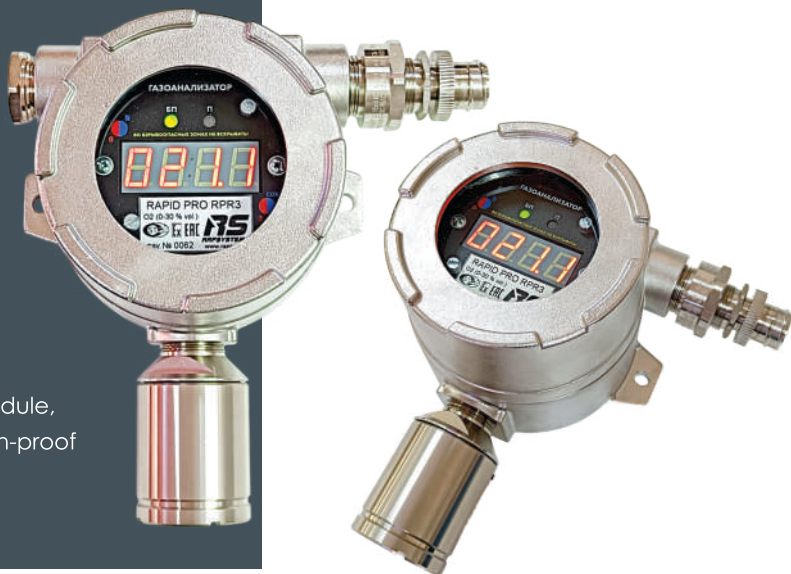
www.raps.uz

Uzbekistan. Tashkent.



Fixed Gas Detector Rapid Pro RPR3

Professional, rugged,
single-channel
Fixed Gas Detector
with smart sensor module,
housed in a explosion-proof
metal case.



Specifications:

Definable types of gases:	<ul style="list-style-type: none"> • Ammonia (NH_3) • Arsin (AsH_3) • Acetylene (C_2H_2) • Acetone ($\text{C}_3\text{H}_6\text{O}$) • Benzol ($\text{C}_6\text{H}_6$) • Butane ($\text{C}_4\text{H}_{10}$) • Hydrogen ($\text{H}_2$) • Hexane ($\text{C}_6\text{H}_{14}$) • Heptane ($\text{C}_7\text{H}_{16}$) • Combustible gases (Ex) • Nitrogen dioxide (NO_2) • Sulfur dioxide (SO_2) • Carbon dioxide (CO_2) • Isobutane ($\text{i-C}_4\text{H}_{10}$) • Isobutylene ($\text{i-C}_4\text{H}_8$) • Oxygen (O_2) • Xylene $\text{C}_6\text{H}_4(\text{CH}_3)_2$ • Methane (CH_4) • Methanol (CH_3OH) • Methyl Mercaptan / Methanethiol (CH_3SH) • Ozone (O_3) • Nitric oxide (NO) • Sulfur hexafluoride (electronegative gas, SF_6) 	<ul style="list-style-type: none"> • Carbon monoxide (CO) • Vapors of petroleum products (C_xH_y) (hexane calibration) • Vapors of petroleum products (C_xH_y) (propane calibration) • Pentane (C_5H_{12}) • Propane (C_3H_8) • Propylene (C_3H_6) • Hydrogen sulfide (H_2S) • Carbon disulfide (CS_2) • Prussic acid (Hydrogen cyanide, HCN) • Styrene (C_8H_8) • Toluene / Toluol ($\text{C}_6\text{H}_5\text{CH}_3$) • Phenol ($\text{C}_6\text{H}_6\text{O}$) • Formaldehyde (H_2CO) • Phosgene (COCl_2) • Phosphine (PH_3) • Hydrogen fluoride (HF) • Chlorine (Cl_2) • Hydrogen chloride (HCL) • Cyclohexane (C_6H_{12}) • Sulfuric acid H_2SO_4 	<ul style="list-style-type: none"> • Cyclopentane / C pentane (C_5H_{10}) • Ethan (C_2H_6) • Ethanol / ethyl alcohol ($\text{C}_2\text{H}_5\text{OH}$) • Ethylene ($\text{C}_2\text{H}_4$) • Ethylene oxide ($\text{C}_2\text{H}_4\text{O}$) • Ethyl Mercaptan ($\text{C}_2\text{H}_5\text{SH}$) • Chlordifluoromethane (CHClF_2, Refrigerant R22) • Pentafluoroethane (C_2HF_5, Refrigerant R125) • 1,1,1,2- tetrafluoroethane ($\text{C}_2\text{H}_2\text{F}_4$, Refrigerant R134a) • 1,1,1- trifluoroethane ($\text{C}_2\text{H}_3\text{F}_3$, Refrigerant R143a) • Refrigerant R404a ($\text{C}_2\text{HF}_5+\text{C}_2\text{H}_3\text{F}_3+\text{C}_2\text{H}_2\text{F}_4$) • Refrigerant R407a ($\text{CH}_2\text{F}_2+\text{C}_2\text{HF}_5+\text{C}_2\text{H}_2\text{F}_4$) • Refrigerant R407c ($\text{CH}_2\text{F}_2+\text{C}_2\text{HF}_5+\text{C}_2\text{H}_2\text{F}_4$) • Refrigerant R410a ($\text{CH}_2\text{F}_2+\text{C}_2\text{HF}_5$) • Caustic alkalis (by NaOH - sodium hydroxide)
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Fixed Gas Detector Rapid Pro RPR3

Designed for automatic continuous monitoring of toxic, combustible, and hazardous gases in areas requiring enhanced protection.

Connection is made through sealed cable entries.

Specifications:

Display / status indication	<ul style="list-style-type: none"> ➤ 4-digit digital scoreboard * ➤ Alarm threshold indication – LED
The output signal	<ul style="list-style-type: none"> ➤ Analog current signal 4-20 mA ➤ Digital output EIA/TIA-485(RS-485) – MODBUS RTU protocol ➤ 4 relay outputs for 1st, 2nd, 3rd alarm and fault * ➤ HART output *
Power consumption, max	<ul style="list-style-type: none"> ➤ 1.5 W (in normal mode) ➤ 5 W (heated version for cold areas)
Operating temperature	<ul style="list-style-type: none"> -40°C ~ +60°C (standard version, without battery) -10°C ~ +60°C (battery version) -60°C ~ +60°C (version for cold areas)
Operating humidity	from 0 to 95%, non-condensing
IP level	IP66/68
Explosion protection	1Ex db ib IIC T6 Gb X (photoionization, infrared, semiconductor or electrochemical sensor); 1Ex db IIC T6 Gb X (thermocatalytic sensor)
Power	External: from a DC power source (24 ± 6) V, Internal: Built-in Li-ion battery 2000 mA *
Case	aluminum or stainless steel (measuring head – stainless steel)
Dimensions	195×146×112 (mm) – in a stainless steel case; 213×140×93 (mm) – in an aluminum case
Weight	up to 2.3 Kg (in an aluminum case), up to 3.6 Kg (in a stainless steel case)
Service life of the device	10 years
* - This functions are present on certain modifications (to be selected when ordering)	



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