



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 (NH₃)• Arsin (AsH₃)• Acetylene (C₂H₂)• Acetone (C₃H₆O)• Benzol (C₆H₆)• Butane (C₄H₁₀)• Hydrogen (H₂)• Hexane (C₆H₁₄)• Heptane (C₇H₁₆)• Combustible gases (Ex)• Nitrogen dioxide (NO₂)• Sulfur dioxide (SO₂)• Carbon dioxide (CO₂)• Isobutane (i-C₄H₁₀)• Isobutylene (i-C₄H₈)• Oxygen (O₂)• Xylene C₆H₄(CH₃)₂• Methane (CH₄)• Methanol (CH₃OH)• Methyl Mercaptan / Methanethiol (CH₃SH)• Ozone (O₃)• Nitric oxide (NO)• Sulfur hexafluoride (electronegative gas, SF₆) <ul style="list-style-type: none">• Carbon monoxide (CO)• Vapors of petroleum products (CxHy) (hexane calibration)• Vapors of petroleum products (CxHy) (propane calibration)• Pentane (C₅H₁₂)• Propane (C₃H₈)• Propylene (C₃H₆)• Hydrogen sulfide (H₂S)• Carbon disulfide (CS₂)• Prussic acid (Hydrogen cyanide, HCN)• Styrene (C₈H₈)• Toluene / Toluo (C₆H₅CH₃)• Phenol (C₆H₆O)• Formaldehyde (H₂CO)• Phosgene (COCl₂)• Phosphine (PH₃)• Hydrogen fluoride (HF)• Chlorine (Cl₂)• Hydrogen chloride (HCl)• Cyclohexane (C₆H₁₂)• Sulfuric acid H₂SO₄ <ul style="list-style-type: none">• Cyclopentane / C pentane (C₅H₁₀)• Ethan (C₂H₆)• Ethanol / ethyl alcohol (C₂H₅OH)• Ethylene (C₂H₄)• Ethylene oxide (C₂H₄O)• Ethyl Mercaptan (C₂H₅SH)• Chlordinofluoromethane (CHClF₂, Refrigerant R22)• Pentafluoroethane (C₂HF₅, Refrigerant R125)• 1,1,1- tetrafluoroethane (C₂H₂F₄, Refrigerant R134a)• 1,1,1- trifluoroethane (C₂H₃F₃, Refrigerant R143a)• Refrigerant R404a (C₂HF₅+C₂H₃F₃+C₂H₂F₄)• Refrigerant R407a (CH₂F₂+C₂HF₅+C₂H₂F₄)• Refrigerant R407c (CH₂F₂+C₂HF₅+C₂H₂F₄)• Refrigerant R410a (CH₂F₂+C₂HF₅)• Caustic alkalis (by NaOH - sodium hydroxide)
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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)



«RAPSYSTEM»



Contact information

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