

PORTABLE ANALYZER OF GASES PAG/*

The PAG / * gas analyzer depending on the version is a device designed to measure the volume fraction of methane (CH₄), carbon monoxide (CO), carbon dioxide (CO₂), oxygen (O₂), hydrogen sulphide (H₂S), chlorine (CL₂), hydrogen cyanide (HCN), ammonia (NH₃), sulfur dioxide (SO₂), nitric oxide (NO), nitrogen dioxide (NO₂), hydrogen (H₂), volatile compounds VOC (PID).

It has a programmable alarm thresholds for each measurement channel, indicated by optical and audible alarm. PAG/* is powered by an internal Li-Ion accumulator, which is charged by charging station outside the hazardous area.

Operating time is up to 72 hours.

Accumulator charging time is about 4 hours.

Optical IR sensors are used to measure CH₄ and CO₂.

For the measurement of CO, O₂, H₂S, CL₂, HCN, NH₃, SO₂, NO, NO₂ and H₂, electrochemical sensors are used.

APID sensor was used to measure the VOC.

The PAG/* analyzer by using a manual or electric pump and probe enables taking gas samples and measuring them from a greater distance.



Certificate ATEX:
OBAC 14ATEX0206X



"CARDIOLIGHT" PANEL

OPERATION TIME UP TO 72 HOURS

EASY TO READ GRAPHIC COLOR LCD SCREEN

MEASURING UP TO 5 GASES (DIFFERENT CONFIGURATION ON REQUEST)

INTERNAL DATALOGGER RECORDS ALL OF THE GAS MEASUREMENTS FOR ANALYZING ON PC

PASSWORD PROTECTED CONFIGURATION AND CALIBRATION



DETAILED PRODUCT INFORMATION:
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PKiMSA "CARBOAUTOMATYKA" SA
INTRODUCED AND USES QUALITY
MANAGEMENT SYSTEM AS WELL AS
OCCUPATIONAL HEALTH AND SAFETY
SYSTEM

TECHNICAL DATA:

Power supply	internal Li-Ion accumulator
Operating time	up to 72 h (accumulator fully charged and healthy)
Principle of sensor operation	CH ₄ , CO ₂ - absorption of infrared radiation CO, O ₂ , H ₂ S, CL ₂ , HCN, NH ₃ , SO ₂ , NO, NO ₂ and H ₂ - electrochemical VOC - PID sensor measurement
Entering of gas	Diffusion
Measuring ranges	<ul style="list-style-type: none"> - methane CH₄ 0 ÷ 100 % - carbon monoxide CO 0 ÷ 400, 0 ÷ 2000, 0 ÷ 10000 ppm - carbon dioxide CO₂ 0 ÷ 2,5 %, 0 ÷ 5 % - oxygen O₂ 0 ÷ 30 % - hydrogen sulfide H₂S 0 ÷ 200 ppm - chlorine CL₂ 0 ÷ 200 ppm - hydrogen cyanide HCN 0 ÷ 50 ppm - ammonia NH₃ 0 ÷ 1000 ppm - sulfur dioxide SO₂ 0 ÷ 100 ppm - nitric oxide NO 0 ÷ 250 ppm - nitrogen dioxide NO₂ 0 ÷ 2000 ppm - hydrogen H₂ 0 ÷ 1000 ppm
Other ranges	Absolute pressure range 70 ÷ 130 kPa Ambient temperature range -20 do +50 °C
Resolution	0,01 % for 0 ÷ 9,99% CH ₄ and for 0÷5 % CO ₂ , 0,1 % CH ₄ for 10 ÷ 100% CH ₄ and for 0÷30 % O ₂ for 0,001 ppm or 0,01 ppm or 0,1 ppm or 1 ppm or 10 ppm - toxic and VOC gases (depends on the measuring range)
Operation environment	Humidity up to 98 % RH without condensation (for infrared sensors) up to 95 % RH without condensation (for electrochemical sensors)
	Atmospheric pressure 70 ÷ 130 kPa
	Operation temperature -20°C ÷ +50°C
Operation environment	max 1000 mg/m ³
Shocks and vibrations	not allowed
Equipment protection level	 I M1 Ex ia I Ma  II 2G Ex ia IIB T4 Gb
Ingress protection	IP67
Dimensions	115 x 70 x 35 mm
Weight	250 g
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PAG /* VERSIONS:**PAG / ***

* **from 1 to 5** (number of measured gases) - possibility of installing measuring sensors, e.g.
 CH₄, CO₂, CO, O₂, H₂S, CL₂, HCN, NH₃, SO₂, NO, NO₂, H₂ oraz VOC)

Examples of versions

PAG/1 - 1 gas meter
PAG/2 - 2 gas meter
PAG/3 - 3 gas meter
PAG/4 - 4 gas meter
PAG/5 - 5 gas meter

WARNING!

CH₄, CO₂ sensors - InfraRed sensors
CO, O₂, H₂S, CL₂, HCN, NH₃, SO₂, NO, NO₂, H₂ sensors - electrochemical sensors
VOC - PID sensors