

PG ERIS-414

Portable multi-gas
detector



Portable multi-gas detection for monitoring gas in the direct presence of staff.

A large list of gases, a wide temperature range from -45 to + 50°C and easy maintenance make the device indispensable in the production and processing of oil and gas, as well as in the chemical industry and municipal or urban engineering.

Features and Benefits



Wide scope of application.

Using a wide line of sensors - Infrared, electro chemical, thermocatalytic. Have increased size 4R. Ensure the safety of personnel in the different situations. control the maximum allowable concentration of hydrocarbons. Indication of concentration in % Vol., %LEL, ppm, mg/m³



High Capacity Battery

PG-414 can work with alkaline or NiMH batteries .This ensures reliable operation for up to 20 hours under normal conditions Depending on the requirements, the batteries can be charged either in the laboratory or in a car/home.



Ergonomic and robust

Thanks to its light weight and ergonomic design, the PG-414 is easy to carry. Simple operation and navigation through the menu is carried out with one button. The integrated protective rubber coating and sensors not sensitive to shock provide additional safety in case of impacts or vibrations.



Accuracy and reliability

Use in the design of pressure and temperature sensors for more accurate readings. Self-test and self-repair functions. Password protection of settings.

Clamp type "crocodile"
Secure attachment to clothing

Audible alarm
Sound alert about an emergency

OLED-display
Display of current readings, the chemical formula of the gas, settings



Status indicator
360° visual assessment of detector operation

Multifunctional button
Easy and intuitive setup of the device

Housing
made of rubberized impact-resistant polymer

Mine components

Dock station



AC charger



USB cable



Calibration nozzle





Sensors	<ul style="list-style-type: none">- Infrared optical- thermocatalytic- electro chemical
Indication	<ul style="list-style-type: none">- status LEDs- OLED-display with frost protection
Alarms	<ul style="list-style-type: none">- visual 360°- audible > 90 dB- vibration
Operating times	up to 20 h
Charging times	up to 2 h
Datalogger	Up to 7000 events
Ex	1 Ex d ia IIC T4 Gb X
Enclosure protection type	IP66
Setting	<ul style="list-style-type: none">- multifunctional button- mobile app for bluetooth connection and settings
Wireless interfaces	<ul style="list-style-type: none">- bluetooth- 2.4 GHz radio channel, LoRa, E-WIRE
Ambient conditions	
Temperature	-45...+50°C
Pressure	84 to 106,7 kPa
Relative humidity no more	95%
Housing	Rubberized impact resistant polymer
Colour	<ul style="list-style-type: none">- yellow - standart- other colours - optional
Dimensions	120 x 63 x 31 mm
Weight	250 g



Optional equipment

Calibration station



Sampling kit
(hand pump, sampling tube, probe)



Replacement sensor kit



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