

ERIS Group

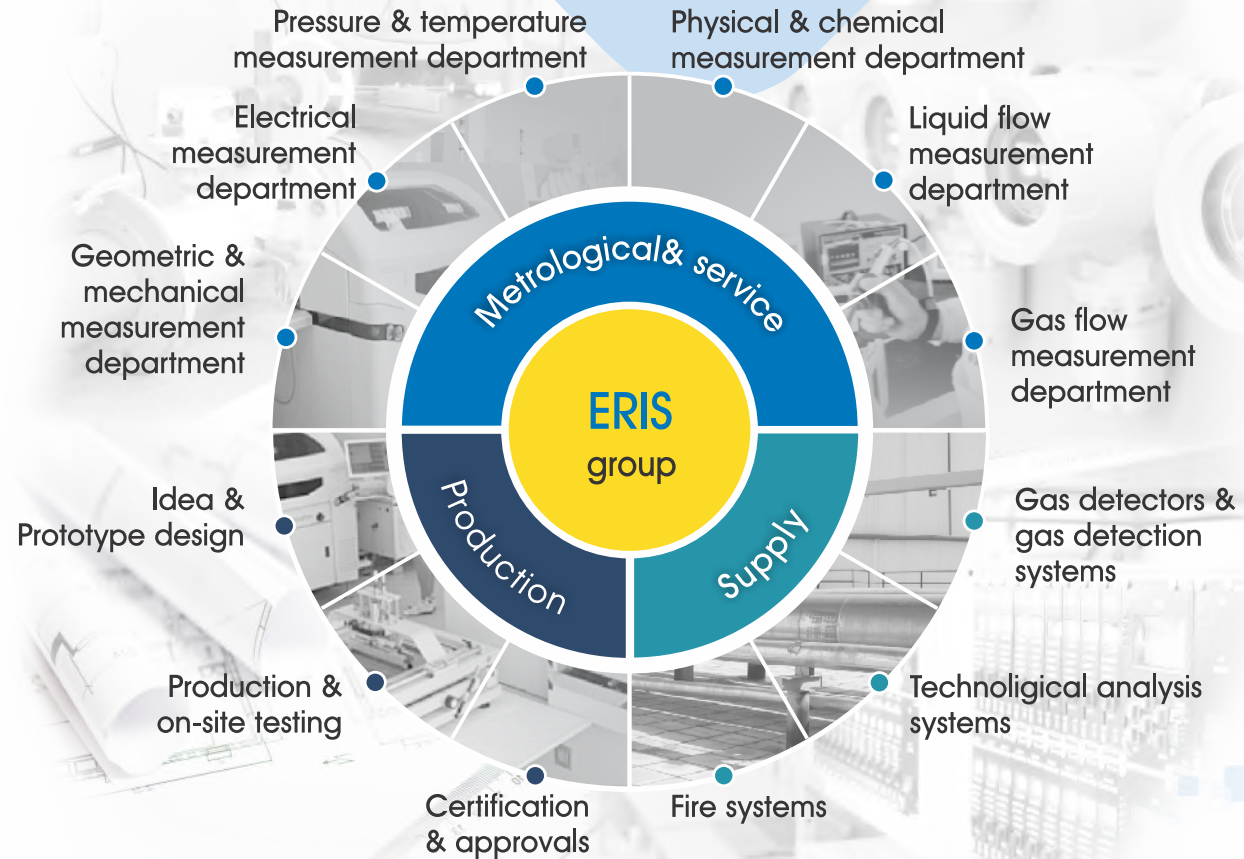
Innovative solutions
in industrial safety



Russia, Perm Territory, Chaykovsky, Promyshlennaya street 8/25
tel: +7 (34241) 6-55-11
e-mail: info@eriskip.ru
web: <http://eriskip.com/>



About



- Founded in 1997, certified to ISO 9001-2015;
- Production area - 5000m²
- Staff - more than 150 people

- Technologies: a powerful, modernly equipped production area;
- Experience: designing, manufacturing of means and systems of measurements, equipment delivery, installation works;

- Service: a reference equipment base of more than 250 units; accredited metrological service; Service of more than 20 000 devices a year;
- Partners: Russia, England, Canada, Germany, the USA, Switzerland, China, Mexico.

PG ERIS-414

portable gas detector

Designed for measurement oxygen, toxic and combustible gases in ambient air.
From 1 to 4 gases simultaneously



PG ERIS-411,414

portable gas detectors



List of gases and vapors to be determined

- Methane (CH_4)
- Propane (C_3H_8)
- Ethane (C_2H_6)
- Ethylene (C_2H_4)
- Butane (C_4H_{10})
- Hexane (C_6H_{14})
- Propylene (C_3H_6)
- Pentane (C_5H_{12})
- Methanol (CH_3OH)
- Phosphine (PH_3)
- Hydrogen (H_2)
- Oxygen (O_2)
- Ammonia (NH_3)
- Chlorine (Cl_2)
- Ozone (O_3)
- Nitric oxide (NO)
- Nitrogen dioxide (NO_2)
- Sulfur dioxide (SO_2)
- Hydrogen sulfide (H_2S)
- Hydrogen cyanide (HCN)
- Hydrogen fluoride (HF)
- Carbon monoxide (CO)
- Carbon dioxide (CO_2)
- Ethylene oxide ($\text{C}_2\text{H}_4\text{O}$)
- Ethyl mercaptan ($\text{C}_2\text{H}_5\text{SH}$)
- Methylmercaptan (CH_3SH)
- Formaldehyde (CH_2O)
- The sum of hydrocarbons (C_xH_y)



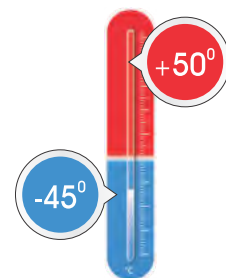
PG ERIS-411,414

portable gas detectors



Technical parameters

Sensor types	infrared, catalytic, electrochemical
Number of sensors	From 1 to 4
Units of measurement	% vol.; % LEL; ppm; mg/m ³ ;
Response time	T _{0,9} < 45 s
Type of alarm	Sound, Visual and vibrating
Operation	By one button
Languages	Russian and English
Diagnosis	Automatic - when switching on and during operation
Clamping type	Crocodile type clip
Supply	Li-Po battery 3,6 - 4,2 V
Operating time	20 hours
Battery charging time	2 hours
Housing	Shock-proof ABS+PC with elastomer over molding
Ex	1Ex d ia IIC T4 Gb X
Weight	250 gr.
Dimensions	120 x 63 x 31 mm



Operating temperature

от -45°C до +50°C

IP rating
IP68



1 year

Warranty

PG ERIS-411,414

portable gas detectors



Capabilities and features

- Control of low concentrations of hydrocarbons
- Measurement in in% volume, % LEL, ppm and mg/m³
- STEL / TWA alarm for toxic gases
- Bright display with a large viewing angle
- Adjustable alarm thresholds (2 levels)
- Adjustable concentration of calibration gas
- Overload protection function for the combustible gas sensor
- Low battery warning function
- Display time and battery charge level
- Visual status indication
- Sound, visual and vibration alarms
- Self-test and self-healing function
- Protect your settings with a password
- Explosion-proof performance
- Events archive
- Free service software

