



Selected Instrumental Technologies

OVER 20 YEARS EXPERIENCE IN INDUSTRY

Eris has over 20 years of experience designing, manufacturing, supplying and service fire and gas detection instrumentation and control systems for a wide range of industries and applications used high-performance measurement technology, outstanding accuracy of measurement, quality and maximum safety.

The company strives to help own customers gain an advantage by adding value through the comprehensive approach.



PRODUCT LINE



DGS ERIS-210 RF



DGS ERIS-210



DGS ERIS PID



DGS ERIS-210 S



PG ERIS-414



Advant 2 RF



Advant 2



Advant 4



ERIS IP-330



PG ERIS-411



DGS ERIS-230 FR



SGM ERIS-110



SGM ERIS-130



ERIS IMPERIUM

DGS ERIS-230 Fixed gas detector



DGS ERIS-230 is the reliable explosion-proof gas detector for flammable, toxic gases and oxygen monitoring hazardous areas – indoor and outdoor. Frostproof OLED display expands operations experience of maintenance and settings on site. ERIS gas detectors fulfil the customer requirements of no false alarms, longer service intervals and drift-free signal outputs. Intelligent SMART SENSOR technology ensures the reducing the overall cost of gas monitoring by an easy exchange of a variety of sensors types.

Basic technical specifications

Modifications	DGS ERIS-230-IR (Infrared sensor), DGS ERIS-230-CAT (Termocatalytic sensor) DGS ERIS-230-EC (Electrochemical sensor)
Indication	OLED display, Status LEDs
Communication	4-20 mA, RS-485 MODBUS RTU, HART 7, LoRaWAN, E-Wire; Bluetooth
Current output relays	2 alarm, 1 fault. 3 x 2A@220VAC SPDT
Input voltage range	12 to 36V DC (24V nominal)
Temperature range	-60°C... +65°C
Enclosure	IP67, 1Exd [ia]IICt6
Weight	1.6kg (aluminum alloy), 4.5kg (316 stainless steel)

Advant 2 Explosion-proof fixed dual channel gas detector



Advant 2 is the explosion-proof fixed dual-channel gas detector for continuously measure the presence of explosive, toxic gases, oxygen, carbon dioxide, as well as volatile organic compounds in the air even hazardous zones. The frost-proof and bright high-resolution OLED display enables the gas detector to perform in most extreme environmental conditions and low temperatures.

Basic technical specifications

Indication	Frost-proof OLED-display, status LED
Output signals	3-Wire 4-20 mA, RS-485 Modbus, HART, Bluetooth*
Supply voltage	12-36V DC (24V nominal)
Temperature range	-60°C... +65°C (-40°C..+50°C electrochemical sensors limit)
Enclosure	IP Rating IP67, Explosion protection 1Exd [ia]IICt6X
Weight	1.85 kg (aluminum alloy)

PG ERIS-414 Portable multi-gas detector



A portable four-channel gas detector designed for measuring the concentration of a vast range of hazardous gases in work areas, wells and closed rooms with high accuracy. Our products are designed to withstand the harshest, toughest industries, including oil and gas, utilities, waste water treatment, telecommunications, marine and others.

Main technical specifications

Indication	status LEDs, OLED-display with frost protection
Wireless interfaces	Bluetooth, 2.4 Ghz radio channel, LoRa, E-Wire
Temperature range	-45°C... +50°C
Enclosure protection	IP66, 1Exd [ia]IICt4 GbX
Housing	Rubberized impact resistant polymer
Weight	250 g

SGM ERIS-130 Gas detectors controller

The multichannel gas detection controller accepts inputs up to 8 4-20 mA sensors transmitters and up to 32 sensors transmitters at RS-485 ModBus. Control system support programming, log and detectors map survey features. Outputs allow setting up to the 4 relays, RS-232, RS-485 and Ethernet interfaces. Small DIN-rail mounted housing is suitable for construction compact size control systems.

Basic technical specifications

Indication and alerting	LEDs, displays, audible alarms
Management	Functional key, Remote management
Input signals	4-20 mA – 8 channels, RS-485 Modbus – 32 channels
Output signals	RS-232, RS-485 Modbus, Ethernet
Relays	Threshold 1 and 2, 3; Breakdown – 4 relays for each channel
Supply voltage	24 V DC or 220 V AC with power supply unit
Temperature conditions	-10°C... +50°C
IP rating	IP20

