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.

Advantages

User-friendly operation

- Ease of installation and application
- In-field setting and maintenance
- Bright LED indicators
- Multifunctional display
- Extended temperature range
- Audio and visual alarm (optional)

High reliability

- 100% quality control
- Compliance with regulatory documents: GOST, technical regulations, EC directives, etc.
- Environmental stability, poison protection

Accuracy of measurement

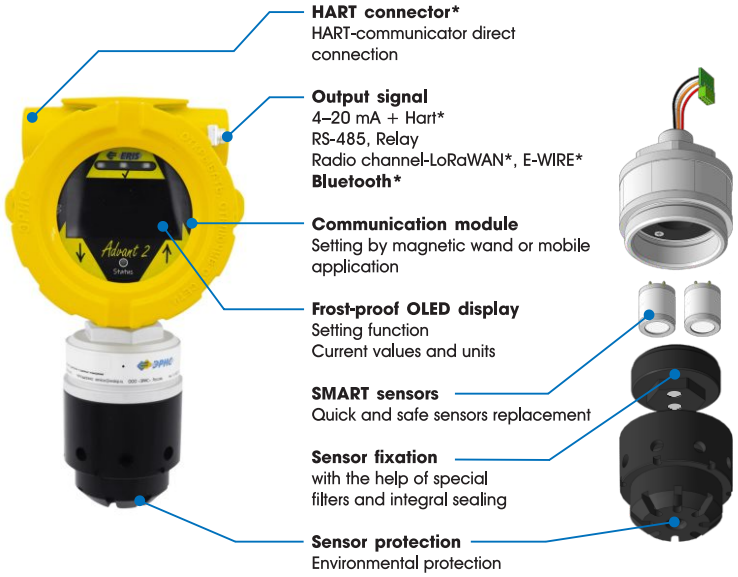
- Sensitivity to low
- High repeatability
- Exact accuracy

Efficiency of investments

- Free setting software
- Minimum service life —12 years
- Optional extended warranty up to 5 years*
- Low power consumption**
- In-field calibration

Frost resistant OLED display

- Display actual temperature in range of - 60°C ..+ 65°C
- Simultaneous displaying the current values, units
- Intuitive settings
- Selection of measurement units (ppm and mg/m3)



Simultaneous use of two sensors

Quick sensors replacement
Easy maintenance
Adaptive heating of sensors

Bluetooth*

Device setting operation
Free mobile app (Android)

** Advanced feature*
*** Compared to two single-channel gas detectors*

Related control units

- Controller SGM ERIS-130

Multi-channel controller (up to 8 analogue inputs, up to 32 RS-485 channels) allow connect to the ERIS and most common gas detectors. Controller equipped with bright LED display and embedded audio and visual alarms, relays. Device support log values and programming features

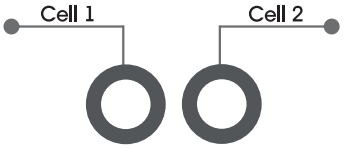
- Intelligent control system ERIS IMPERIUM

Failsafe intelligent multi-functional controller designed to be key brick of enterprise instrumental control system complies with most critical industry standards. Controller's modules support a wide range of input interfaces allow connect and manage of variety gas, fire and flame detectors, industrial sensors.

Parameters

General parameters

Application	Dual channel continuously measure and detect presence concentrations of explosive, toxic gases, oxygen, carbon dioxide or volatile organic compounds in the air.
Measurement range	Depending on the measured gas
Smart sensor	Infrared, thermocatalytic, electrochemical, photoionization (simultaneous use of two sensor types is possible)



Advant 2	Cell 1	Cell 2
Combination 1	CAT/IR	EC/IR
Combination 2	PID/EC	EC
Combination 3 (sequential reclosing)	PID	PID

CAT - thermo-catalytic
IR - infrared optical
EC - electrochemical
PID - photoionization

Electrical parameters

Supply voltage	12-36 V DC (nominal value — 24 V) lithium battery (for application of IR, EC without Bluetooth)
Power consumption	The power consumption depends on the applied types of sensors (2W max.) Maximum starting power = 6.3 W
Output signals	3-wire 4-20 mA, RS-485 Modbus, HART, Bluetooth*
Setting	Magnetic wand HART-communicator RS-485 Bluetooth* (Mobile App)

Design

Housing material	Aluminium, epoxy coating / stainless steel SS316L
Dimensions	145*110*235 cm
Weight	1.85 (aluminium alloy)
Mount	Embedded bracket
Cable entry	2xM20 (2xM25 optional)
Indication	Frost-proof OLED-display, status LED
Casing protection	Enclosure protection IP67, explosion protection 1Exd[ia]IICT6X
Temperature range	- 60°C..+65°C (- 40°C .. +50°C electrochemical sensors limit)

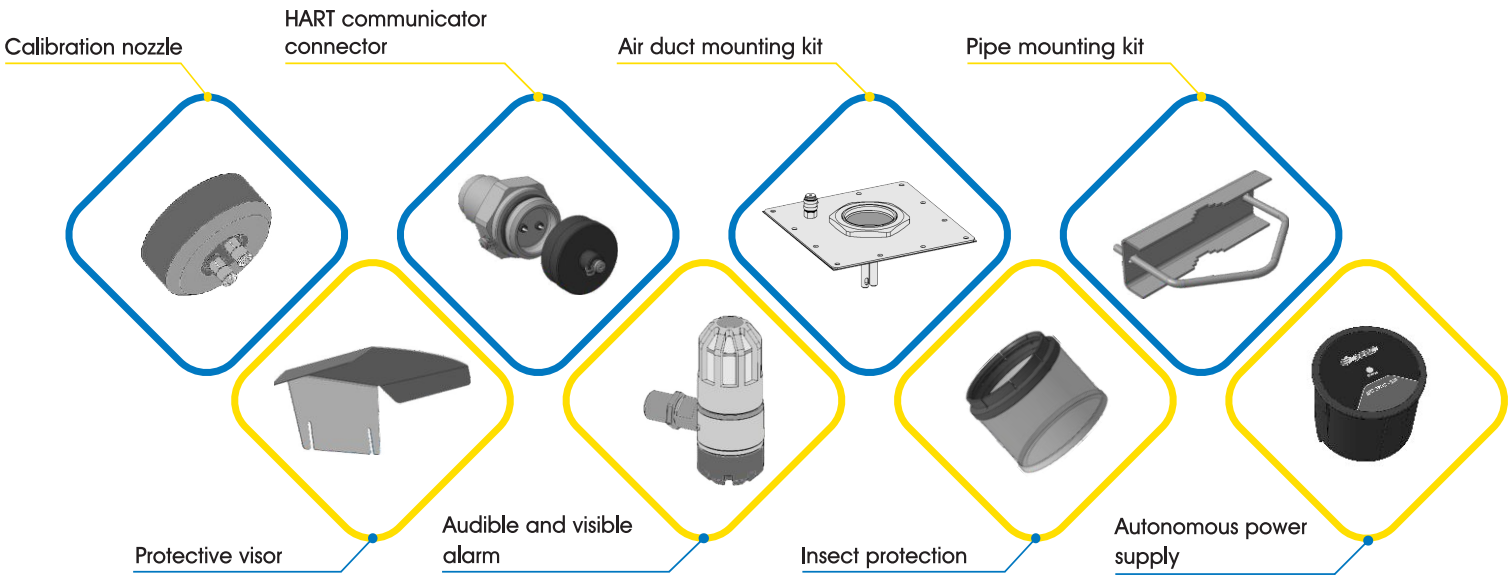
Design variants

Epoxy coating aluminium

Wireless gas detector

Approval and certificates.

Accessories



See also

DGS ERIS-210S | DGS ERIS-210 | DGS ERIS-230 | DGS ERIS-PID | Advant 4 | ERIS IP-330

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