



AVIS X1

Single Gas Detectors

AVIS X1 determines the concentration of toxic gases and oxygen (O₂) in the air of the working area. Ensures the safety of personnel in confined spaces and open areas of industrial facilities. Reliable device with powerful battery and fast sensor response.





Features and benefits

- Determines the concentration of toxic gases and oxygen in the air of the working area;
- Sensor type: electrochemical (O₂, CL₂, SO₂, CO, NH₃, NO, NO₂, H₂S, etc.);
- Temperature range from -55 °C to +65 °C;
- Non-volatile memory (no data loss when discharging) 65,500 records in the archive; The battery life of the device is 2 years (without recharging) until the battery is replaced;
- Fastening of a gas analyzer of the "Crocodile" type;
- Light signaling with a scattering angle of 360° (in all directions), sound 95 dB, vibration alarm; Intuitive control using one button;
- Case with Soft touch coating (does not slip out). Resistant to vibration and shock.



- 2 years warranty
- 20 years service life

Sensors	Electrochemical
Temperature Range	-55°C to +65°C
Ex marking	P0 Ex ia I Ma X 0Ex ia IIC T4 Ga X
Ingress Protection	IP66 / IP68
Sampling Method	Diffusion Forced*
Operating Pressure	80-120 kPa
Permissible Humidity	< 98% (non-condensing)
Indication	Status LEDs Frost proof OLED-display Indicating Lights
Alarms	Audible - 95 dB Vibration
Operating times	2 years (battery life)
Archive	Up to 65 500 events
PC communication interface	IR port for communication with PC
Material	Rubberized impact resistant polymer
Color	Blue – standard Other colors – optional
Dimensions	52x112x47 mm
Weight	120 g
Interval between verifications	12 months

* Optional

Accessories



Mechanical pear with tube



Telescopic probe



Motorized sampling pump



Transmitter with USB cable



Case with accessories

Scope of application

Underground workings of mines and their surface structures, hazardous in terms of mine gas and/or combustible dust, as well as explosive zones 0, 1 and 2 of premises and outdoor installations



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