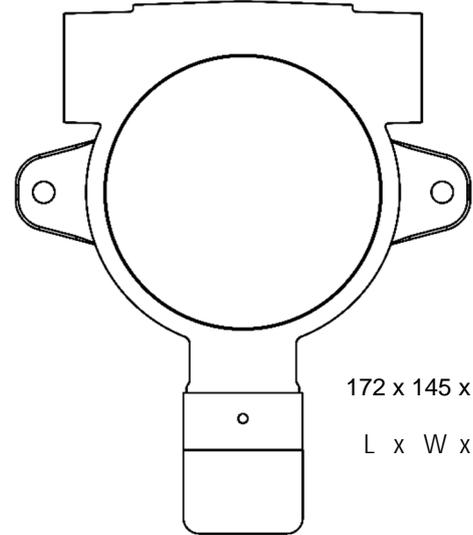


ATX/ECL

SERIAL and 4 ÷ 20 mA

ATEX-CO GAS DETECTOR (CARBON MONOXIDE)

II 2G Ex db IIC T6 Gb
II 2D Ex tb IIIC T=60 C Db



172 x 145 x 108 mm

L x W x H

AVAILABLE VERSIONS

B40-ATX/ECLCO 4÷20 mA 10/30 Vdc CO

COMPATIBLE CONTROL PANELS

MODULA4	Control panel with linear line 4÷20 mA - 4 zones
MODULA8	Control panel with linear line 4÷20 mA - 8 zones
MODULA40	Control panel with linear line 4÷20 mA - 8 zones and 32 zones on RS485 communication line
MODULA128	Control panel with linear line 4÷20 mA - 8 zones and 128 zones on RS485 communication line

Compatible with all control panels equipped with 4 ÷ 20 mA inputs

The carbon monoxide gas detectors of the ATX/ECL series are **ATEX** and **IECEx** certified and with **IP68** degree of protection of housing and **IP64** degree of protection of sensor module. They use professional electrochemical sensor. They are designed to be connected to analytic control panels with **4÷20 mA** inputs (like MODULA 4 and MODULA 8) or to digital control panels via **RS485** serial connection (like MODULA 40 and MODULA 128). ATX detectors are suitable for use in all industrial and commercial applications where the detection of carbon monoxide gas is required.

ATX detectors are certified ATEX and IECEx for gas and dust tight

II 2G Ex db IIC T6 Gb

II 2D Ex tb IIIC T=60 C Db

They are suitable for installation in ATEX classified **ZONE 1**; areas where explosive atmospheres may be present, during normal operations; they are also suitable for installation in ATEX classified **ZONE 2**.

They are suitable for the gas detection in refineries, compression stations, pharmaceutical plants, chemical and petrochemical plants, gas turbines, carbon monoxide gas deposits and laboratories.

The head of the detector ATX/ECL use an electrochemical sensor module of high quality and precision combined with industrial-type control electronics, it is replaceable to allow rapid and reliable maintenance of the systems and has operating life of 5 years.

The aluminium alloy container makes the detector particularly suitable for environments with strong chemical aggression giving it a high mechanical resistance.

Thanks to the high selectivity, the ATX/ECL detectors are resistant to interfering gases or combustible vapours often present in industrial environments.

The detectors comply with the following standards:

EN 50270, EN 50271, EN 50545-1

IEC 60079-0, IEC 60079-1

IEC 60079-31

EN ISO/IEC 80079-34:2011

ISO/IEC 80079-34:2018

Features

- ▲ Linear transmitter 4 ÷ 20 mA (3 wires) and digital RS485
- ▲ Wide range of supply voltage (10 ÷ 30 Vdc)
- ▲ Electrochemical sensor
- ▲ Low energy detector
- ▲ Corrosion and impact resistant aluminium container
- ▲ Degree of protection IP66
- ▲ Fault signalling during stabilization time or in case of sensor failure
- ▲ Standard versions for 1 type of gas and versions on request with different measuring ranges



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ATX/ECL

GAS DETECTOR CO (CARBON MONOXIDE)

Application example

- ▲ Refineries
- ▲ Compression stations
- ▲ Pharmaceutical plants
- ▲ Chemical and petrochemical plants
- ▲ Gas turbines
- ▲ Combustible gas deposits
- ▲ Laboratories
- ▲ And any other installation in ATEX zone 1 and ATEX zone 2

Technical specifications

POWER SUPPLY

Power supply voltage: 10÷30 Vdc

Electrical absorption: Max 34mA @ 24 Vdc; Stand-by 15 mA @ 24 Vdc

WORKING ENVIRONMENT

Operating temperature: -20 / + 60°C

Relative humidity: 20 ÷ 95% without condensation

Degree of protection: housing IP68
sensor module IP64

MECHANICS

Dimensions: 145 x 172 x 108 mm

Weight: 1400 gr

Color: Grey (RAL 9007)

Container: Body in corrosion resistant aluminium alloy; stainless steel screws and sensor head
Epoxy painting

Mounting: Wall

SENSOR

Type: Electrochemical

Stabilization time: < 30 seconds

Measuring range: 0-300 ppm
Based on specific needs, it is possible to provide customized measuring ranges (max 500 ppm)

Average life: 5 years

Further characteristics: High selectivity, resistant to exposure to interfering gases and vapours

COMMUNICATIONS

Type: Linear 4÷20 mA, digital RS485

Range: 4÷20 mA

Shutdown: 0 mA

Failure: < 2 mA

Overrange: 22 mA
Short circuit output protection
EN 50270, EN 50271
EN 50545-1

COMPLIANCE

IEC 60079-0, IEC 60079-1
IEC 60079-31
EN ISO/IEC 80079-34:2011
ISO/IEC 80079-34:2018

WARRANTY Two (2) years



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This data sheet replaces previous ones.
The manufacturer can change without prior notice product specifications and details.
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