

EL3010-C series

Compact gas analyzers for OEM integrators

- Compact ½ 19" design
- All signals on one Ethernet interface
- Powered by external 24 V DC
- With proven analyzers:
Uras26, Magnos206, Limas23
and Fidas24



Compact ½ 19" design

Based on proven ABB sensor technologies, ABB offers a most compact product line for continuous gas analyzers. All analyzers are designed especially for the integration into numerous industry solutions. Fitting into a ½ 19" stainless steel housing, the analyzers feature multi component analysis with up to four measuring components.

Typical applications

The EL3010-C series fulfills the requirements of local system integrators for

- Environmental systems
- Industrial gases
- Medical applications like breath test analysis
- Bio technology and fermentation processes
- TOC measurements
- Laboratory analysis
- Semiconductor industry
- Exhaust gas measurement from combustions

Measurement options

The EL3010-C series offers the same proven sensor technologies that are used in the major product lines EasyLine and Advance Optima from ABB – with the same high quality and the outstanding reliability of ten thousands of installations in all kinds of industries worldwide.

- Paramagnetic oxygen analyzer Magnos206
- NDIR photometer Uras26
- UV photometer Limas23
- Flame ionization detector Fidas24

All analyzers can be ordered with thermostatic control and barometric pressure compensation. Calibration is possible with internal reference gas via calibration cells, ambient air or simply single point calibration.

All signals on one Ethernet interface

The EL3010-C analyzers are equipped with one simple digital interface: Ethernet, the global standard in digital communication. The Modbus TCP/IP protocol provides all measurement signals, alarms as well as remote control functions like calibration control, range control etc. There is no need for additional expensive 4-20 mA analog signals or I/O boards. All signals are available on one cable.

Safe operation with standard 24 V DC power

In most cases a system environment provides 24 V DC power from a central power supply. With the EL3010-C series there is no need to pay for an additional internal line transformer.

Specifications EL3010-C

Housing

- IP20, stainless steel
- Dimensions: approx. 400 mm x 217 mm x 131 mm
- Rack mountable or tabletop
- Stainless steel gas ports with 1/8 NPT internal thread

Power requirement

- 24 V DC, 100 W
- 230 V AC, 250 VA (additional for Fidas24)

Interface

- Ethernet interface with Modbus TCP/IP protocol, RJ45 connector

Uras26

Typical components CO, CO₂, NO
Ranges 0...100 ppm to 100%
Other components and lower ranges on request

Limas23

Ranges 0...50 ppm to 5000 ppm NO
0...50 ppm to 2500 ppm NO₂
0...100 ppm to 5% SO₂

Other ranges on request

Magnos206

Range 0...100% O₂
Lowest range 0...2% O₂
Lower ranges and ranges with suppressed zero point on request

Fidas24

Measurement of hydrocarbons
Optional NMHC version

Ranges 0...30000 ppm C₃
0...3000 ppm C₁
0...3000 ppm C₁ (NMHC)
Lowest deducible range: 10 pm C₁

The added values

What you can expect from a market leader

- Best choice of analyzers tailored to your needs
- Long-term security in your investment
- Unique time and cost saving calibration concepts
- Unrivalled options for connectivity
- Most powerful software solutions
- Certified support wherever you are
- Assured quality through independent certification



The Added Value

For more information, please contact:

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