



Gas Analyzer for CO₂

GA CO₂



- PLC industrial control unit
- 7" touchscreen
- 0-30 vol% CO₂ measurement
- Autocalibration and adjustment with reference gas and span gas
- Automatic creation of calibration protocols
- Internal data logging
- Remote control via PC or smart device
- Alarm messages via SMS
- Future-proof due to OPC UA
- Free open I/O card
- Automatic certificate creation

Latest-generation gas measurement system

The Linde CO₂ analyzer contains a high-precision infrared sensor to satisfy the most demanding quality standards. You can always rely on the sensor's performance thanks to the integrated automatic calibration tool, which immediately issues a digital certificate after each calibration cycle. The GA-CO₂ comes enclosed in a highly durable control cabinet for robust quality control on site over time.

Ease-of-use is guaranteed with the touchscreen's intuitive handling coupled with full control over all functionalities. New users and recipients of SMS alerts are created in no time. The GA-CO₂ will send you a text message if the measured CO₂ concentration is outside of the user-defined range. In addition, you can use the remote control feature to check the live screen and operate the device remotely from your smartphone, tablet, laptop or computer.

The internal data logger records the measured CO₂ concentration at intervals of your choice including a timestamp. Measurement sessions can be given specific IDs. Each data set can be transferred via a USB or network connection.

CO₂ sensor

Sensor type	Non-dispersive IR, dual wavelength
Detection range	0-30 vol%
Sample flow	0.1 -1 l/min
Heating period	<2 min, <30 min (full accuracy)
t ₉₀	Approx. 12 s @ 0.7 l/min
Temperature	0 - 50°C

Inlet pressure monitoring

Range	0 - 10 bar-g
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Mass flow meter

Sample flow range	0 - 2 l/min
Measuring principle	Thermal
Valve	Needle valve

Housing

Dimensions*	400 x 500 x 250 mm
Weight*	15 kg
Connections	Gas In/Out, span gas, reference gas, Ethernet, USB
Protection class	IP65
Power supply	100 - 240 VAC, 50 - 60 Hz

* Housing size and weight may vary

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