

Carbon Monoxide Probe FYA 600 CO



- Applications:
For measurement, control and warnings in garages, for monitoring the air quality with respect to the maximum allowable concentration at work places (MAC value, e.g. in laboratories and engine test benches)

✎ Operation with the device in SLEEP mode is not possible!

Types (including factory test certificate)

Carbon monoxide sensor including connecting cable 1.5m long for CO measurements in air

range: 0 ... 150 ppm

Order no. FYA600COB1

range: 0 ... 300 ppm

Order no. FYA600COB2

range: 0 ... 5000 ppm

Order no. FYA600COB3

range: 0 ... 5 vol.%

Order no. FYA600COB4

Technical Data:

Gas:	CO
Measuring principle:	electrochemical reaction
Measuring range:	see types
Zero point error:	< 10 ppm CO
Gauge reading balance:	< 3 ppm CO
Error of meas. value:	±3% of full scale value
Zero point drift:	< 2% (1 year)
Reproducibility:	< 2% (1 year)
Linearity:	< 2% of full scale value
Settling time t_{90} :	< 60s
Transverse sensitivity:	< 2% by integrated filter
Output:	4 ... 20 mA on ALMEMO® connector
Supply voltage:	from the ALMEMO® measuring instrument
Ambient temperature:	-10 to +40°C, sensor temperature compensated in range
Air humidity:	0 to 90% non-condensing
Life span of the meas. cell:	approx. 2 years typical
Dimensions of meas. head:	Ø 80mm, height 80mm
Weight:	600g
Connecting cable:	1.5m, with ALMEMO® connector

Oxygen Probe FYA 600 O2



- Examples from the range of applications:
Measurements in air conditioning systems, air purifiers, oxygen rectifiers, greenhouses and oxygen incubators.
- Approved by PTB and approved for exhaust emission measurements in the automotive industry.



A correction value can be stored in the ALMEMO® connector plug to compensate for the natural ageing of the probes, so optimum output characteristics can be ensured for the whole operating life.

Type:

Oxygen sensor
including connecting cable 1.5m long
for O₂ measurements in air

Order no. FYA600O2

For Reordering:

Oxygen sensor
ALMEMO® connecting cable

Order no. FY9600O2
Order no. ZA9600AKO2

Technical Data:

Gas:	O ₂
Measuring principle:	electrochemical cell
Measuring range:	1 ... 100% O ₂ , linear
Accuracy :	1% O ₂
Resolution :	0.01% O ₂
Response time:	< 40s
Signal drift:	< 2% signal/month (typ. < 5% over operating life)
Offset voltage at 20°C:	< 20µV
Operating life:	2 years, if operated in 20.9% O ₂
Nominal conditions:	20°C, 50% rH, 1013mbar
Temperature range:	-20 to +50°C
Temperature compensation:	effective in range -10 to +40°C
Pressure range:	atm. pressure ±10%
Relative humidity:	0 to 99% non-condensing
Connecting cable:	adapter cable 1.5m long
Dimensions:	H 43mm x Ø 29.3mm

01/2011 We reserve the right to make technical changes.

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