Carbon Monoxide Probe ADOS 592 TOX



- 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!

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}:	< 60 s
Transverse sensitivity:	< 2 % by integrated filter

Nominal conditions:	20 °C, 50 % r.H., 1013 mbar
Operating conditions:	–10 to +40 °C, Sensor in range temperature compensated > 15 to 90 % r.H. non-condensing
Life span of the meas. cell:	approx. 2 years typical
Output:	4 ... 20 mA on ALMEMO® connector
Supply voltage:	24 V via ALMEMO® connector
Dimensions of meas. head:	Ø 80 mm, height 80 mm
Weight:	600 g
Connecting cable:	1.5 m, with ALMEMO® connector

Types (incl. factory test certificate)	**Order no.**
Carbon monoxide sensor including connecting cable 1.5 m long for CO measurements in air	
range: 0 ... 150 ppm	**FYA600COB1**
range: 0 ... 300 ppm	**FYA600COB2**
range: 0 ... 5000 ppm	**FYA600COB3**
range: 0 ... 5 Vol.%	**FYA600COB4**

Oxygen Probe FYA600O2



- Examples from the range of applications: Measurements in air conditioning systems, air purifiers, oxygen rectifiers, greenhouses and oxygen incubators.

! 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.

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:	< 40 s
Signal drift:	< 2 % signal/month (typ. < 5 % over operating life)
Offset voltage at 20 °C:	< 20 mV

Operating life:	2 years, if operated in 20.9 % O_2
Nominal conditions:	20 °C, 50 % rH, 1013 mbar
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 1.5 m long
Dimensions:	H 43 mm x Ø 29.3 mm

Types	**Order no.**
Oxygen sensor including connecting cable 1.5 m long for O_2 measurements in air	**FYA600O2**

For Reordering:	
Oxygen sensor	**FY9600O2**
ALMEMO® connecting cable	**ZA9600AKO2**

11/2025 • We reserve the right to make technical changes.