# Gas concentrations in the air

#### **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:	СО
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 <sub>90</sub> :	< 60s
Transverse sensitivity:	< 2% by integrated filter

1013 mbar
nsor in range
pensated
non-condensing
pical
LMEMO® connector
IO® connector
80mm
EMO® connector

## Ausführung (incl. factory test certificate) Order no.

Carbon monoxide sensor including connecting cable 1.5m 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.
- 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.

#### **Technical Data**

Gas:	O <sub>2</sub>
Measuring principle:	electrochemical cell
Measuring range:	1 100% O <sub>2</sub> , linear
Accuracy:	1% O <sub>2</sub>
Resolution:	$0.01\%~\mathrm{O_2}$
Response time:	< 40s
Signal drift:	< 2% signal/month
	(typ. < 5% over operating life)
Offset voltage at 20°C:	< 20mV

Operating life:	2 years, if operated in 20.9% O <sub>2</sub>
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 $\pm 10\%$
Relative humidity:	0 to 99% non-condensing
Connecting cable:	adapter cable 1.5m long
Dimensions:	H 43 mm x Ø 29,3 mm

## Types Order no.

Oxygen sensor including connecting cable 1.5m long for O<sub>2</sub> measurements in air FYA600O2

### For Reordering:

Oxygen sensor ALMEMO® connecting cable FY9600O2 ZA9600AKO2