Gas Concentration in the Air

Gas probe for various gases ADOS 592 TOX



- Range:
  Measurement of gas concentration in air
- Multiple ranges / Model variants

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

Technical Data

Gas:	see model variants
Measuring principle:	electrochemical reaction
Measuring range:	see model variants
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

Model variants (including factory test certificate)	**Order no.**
Gas probe, including connecting cable, 1.5 meters, for measuring gas in air	
Ammonia NH_3	
Range: 0 ... 250 ppm	**FYA600ANH3**
Nitrogen dioxide NO_2	
Range: 0 ... 30 ppm	**FYA600ANO2**
Nitrogen oxide NO	
Range: 0 ... 50 ppm	**FYA600ANO**
Chlorine gas Cl_2	
Range: 0 ... 50 ppm	**FYA600ACL2**
Sulfur dioxide SO_2	
Range: 0 ... 20 ppm	**FYA600ASO2B1**
Range: 0 ... 50 ppm	**FYA600ASO2B2**
Range: 0 ... 250 ppm	**FYA600ASO2B3**
Hydrogen sulfide H_2S	
Range: 0 ... 50 ppm	**FYA600AH2SB2**
Range: 0 ... 250 ppm	**FYA600AH2SB3**
Ethylene oxide C_2H_4O	
Range: 0 ... 20 ppm	**FYA600AC2H4OB1**
Range: 0 ... 50 ppm	**FYA600AC2H4OB2**
Range: 0 ... 100 ppm	**FYA600AC2H4OB4**

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