Ozone Measuring Transducer FYA600O3

- Suitable for many measuring tasks where ozone measurements for control purposes were too expensive to date, e.g. for leakage tests in industry, for protection of health and safety standards at work, for mobile air quality measurements etc.
- Each ozone sensor is supplied with a manufacturer's test certificate.
- As a result of the high long-term stability, only small maintenance costs.

Technical Data

Gas:	O_3 (ozone)	Power supply:	6 to 14V, stable
Measuring principle:	electrochemical three-electrode sensor	Current consumption:	pump on : 50 mA, typical pump off : 25 mA, typical pump blocked : 180 mA, typical
Measuring range:	0 … 300 ppb		
Detection limit	20 ppb	Overload capacity:	1 ppm
Accuracy:	typically 5% of final value under nominal conditions (for intermittent operation)	Expected useful life :	Sensor, typically 24 months (at 20 °C) pump, typically 6000 hours
Long term accuracy:	after 12 months under nominal conditions typically 5% of final value (for intermittent operation)	Nominal conditions:	20°C, 30% r.H., 1013 mbar, no contaminations of the contact surfaces
Exposure period :	until specification is reached, at least 2 hours (at 200 ppb); for a prolonged period the device was in an ozone-free environment	Operating range :	-20 to +40 °C / 30 to 80 % RH
		Storage temperature:	0 to 20°C, at 30 to 80% RH non-condensing
Meas. interval:	pump on: 5min pump off: 10min	Dimensions:	L 180mm x W 125mm x H 90mm
Pump flow rate:	500ml/min	Connecting cable:	1.5m long with ALMEMO® connector programmed in ppb
Signal output:	0 … 2V, load resistance > 100kΩ		

Type (including manufacturer's test certificate)	**Order no.**
Ozone sensor including connecting cable 1.5m long for O_3 measurements in air	**FYA600O3**
Option:	
Pump in continuous operation (fixed factory setting)	**OY9600O3D**
Maintenance set : new electro-chemical measuring cell, pump replacement, readjustment, including calibration certificate	**ZB9600O3S**