



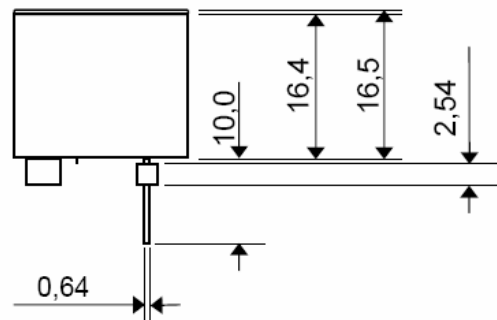
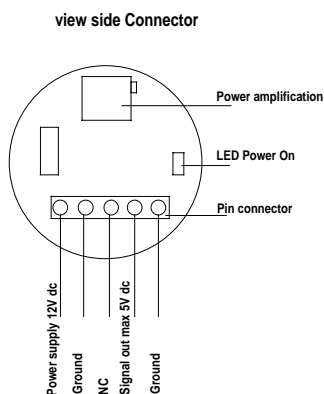
OXYGEN 4 SE 5 V

Technical specifications

<i>Sensor Type</i>	<i>O2 Sensor 4 SE 5 V</i>
<i>Detectable Gases</i>	<i>O2 Oxygen</i>
<i>Part number</i>	<i>01-34-30-02</i>
<i>Measuring Principle</i>	<i>Amperometric</i>
<i>Specific Sensor Data</i>	<i>3-electrode sensor</i>
<i>Connector</i>	<i>no</i>
	<i>5 pin socket connector</i>
	<i>(Spacing 2,54 mm)</i>



Standard Range	0.0 – 30.0 Vol.%
Lower Detectable Limit (LDL)	0.1 Vol.%
Maximum Range	50 Vol.%
Long Term Sensitivity Drift	< 0.1 Vol.% / month
Deviation from linearity at standard range	< 5 % FS
Voltage at 21 Vol.% Oxygen	2,1 VDC
Sensitivity	100 mV / % O2
Signal Out	0 – 5 VDC
Calibrated	2,1 VDC = 21% O2
Supply Voltage	6 -24 VDC (3 mA @ 12 VDC)
Temperatur compensation	Not available
Amplification	With trim potentiometer
Power On	LED – signal green
Response time at target level	
T50	< 5 s
T90	< 30 s
Sensor warm up time typically (pre-sourced)	10 min (10 s)
Operating conditions	- 20°C ... +50°C
	15 ... 90 % r. h.
Sensor life time	3 years expected
Sensor dimensions	Ø 20,3 mm, Heigth 26,5 mm (+/- 0,15 mm)





Oxygen 4 SE 5 V

Cross Sensitivity

<i>Gas</i>	<i>Formula</i>	<i>Test Gas Concentration</i>	<i>Reading in %</i>
Ammonia	NH ₃	100 ppm	0.0
Carbon Dioxide	CO ₂	5000 ppm	0.0
Carbon Monoxide	CO	60 ppm	0.0
Chlorine	Cl ₂	1.0 ppm	0.0
Hydrocarbons unsaturated	-	1 %	0.0
Hydrogen	H ₂	100 ppm	0.0
Hydrogen Sulphide	H ₂ S	10 ppm	0.0
Isopropanol	C ₃ H ₇ OH	1000 ppm	0.0
Nitric Oxide	NO	20 ppm	0.0
Nitrogen Dioxide	NO ₂	10 ppm	0.0
Ozone	O ₃	0.5 ppm	0.0
Sulphur Dioxide	SO ₂	20 ppm	0.0

Please Note: Test conditions at 20°C/ 1013 hPa, Flow Rate > 500 qcm/min, Cross sensitivity gases are not target gases. Relation can change with aging.

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