

Specification Sheet for O2 - Sensor with Electronic

Device-Type:

O2 – Sensor

Sensor Type	:	electrochemical
Construction	:	3 Electrode on ceramic
Electrolyte	:	Solid electrolyte
Temperatur range	:	- 20 bis + 60°C
Humidity range	:	5 to 95 % r. F not to condense
Measuring range	:	0,0 to 30 Vol% O2
Lowest measuring range	:	0,1 Vol %
T 90	:	typical 30 sec. with 20°C
Sensor current	:	typical 0,035 nA / ppm O2
Warm upTime with Gas	:	typical 10 min.
Dimension	:	d 20mm x h17mm
Measuring principle	:	Amperometric

Electronic

Voltage supply	:	12 or 24 Vdc
min Voltage	:	6 Vdc
max Voltage	:	27 Vdc
Current consumption	:	typical 6 mA
Signal out	:	0 – 4,9Vdc
Offset Voltage	:	0,0 Vdc
Temperature range	:	- 20 bis + 80° C

Temperature compensation : - 25 bis + 85° C

Status LED Gasalarm : Gas High red

Alarm : To set trim potentiometer

Calibration for Gas : use trim potentiometer

Status LED operation : Normal operating green

Architectur : Processor control

Contact : 4 pole pin connection

Weight : typical 4 grams

Material No. :

to calibrate the alarm signal you have to connect a voltmeter between the pin 3 and pin 4 ground.
Over the potentiometer you can set the alarm value.



