

Specification Sheet for NO2 - Sensor with Electronic

Device-Type:

**NO2 – 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	:	0,5 to 100 ppm, max 500 ppm NO2
Lowest measuring range	:	0,5 ppm
T 90	:	typical 10 sec. with 20°C
Sensor current	:	typical 20 nA / ppm H2S
Time response with Gas	:	typical 1 sec.
Dimension	:	d 20mm x h17mm
Measuring principle	:	Amperometric
Cross sensitivity	:	H2S, CLO2

**Electronic**

Voltage supply	:	12 or 24 Vdc
min Voltage	:	6 Vdc
max Voltage	:	27 Vdc
Current consumption	:	typical 6 mA
Signal out	:	0,2 – 4,9Vdc
Offset Voltage	:	0,2 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.



