

Specification Sheet for H2 - Sensor with Electronic

Device-Type:

H2 – 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	:	10 to 40.000 ppm H2
Lowest measuring range	:	10 ppm
T 90	:	typical 20 sec. with 20°C
Sensor current	:	typical 0,5 to 5 nA / ppm H2
Time response with Gas	:	typical 1 sec.
Dimension	:	d 20mm x h17mm
Measuring principle	:	Amperometric
Cross sensitivity	:	CO, Isopropanol, NO2,

Electronic

Voltage supply	:	12 or 24 Vdc
min Voltage	:	6 Vdc
max Voltage	:	27 Vdc
Current consumption	:	typical 6 mA
Signal out	:	1 – 4,9Vdc
Offset Voltage	:	1 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
Architektur	:	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.



