

# NO<sub>2</sub> SENSOR + 4-20 mA PCB FOR OEM APPLICATIONS



Fig 1. NO<sub>2</sub> sensor + 4-20 mA p.c.b. and screw terminals

## Features

- Signal 4-20 mA
- Pre-calibrated on 0 – 20 ppm NO<sub>2</sub>
- Two-wire system
- Automatic zeroing
- Signal test pins on p.c.b.
- Accessory installation kit
- Accessory test gas cap

## User Benefits

- Standard interface
- Integrates directly with system
- Reduced installation costs
- Reduced maintenance costs
- 4-20 mA signal available on p.c.b., allows for one man calibration
- Allows easy assembly into wall mounting boxes
- Suitable to plug onto installation ring to apply test gas mixture

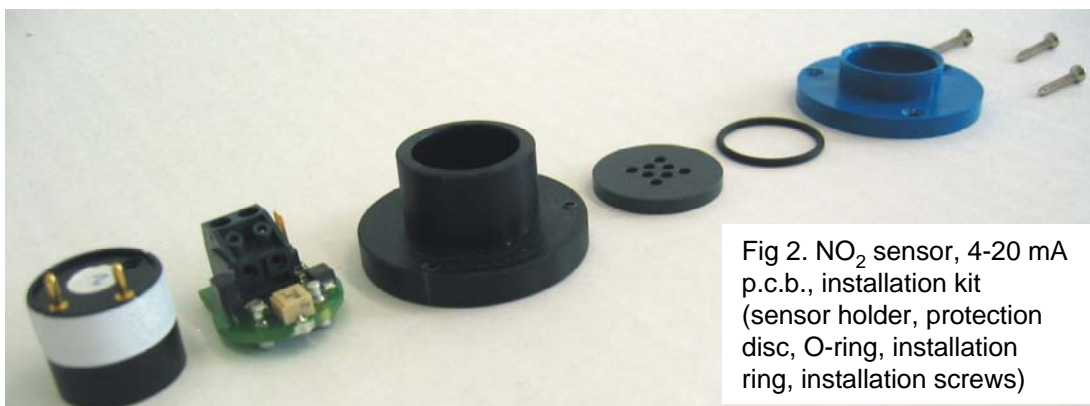


Fig 2. NO<sub>2</sub> sensor, 4-20 mA p.c.b., installation kit (sensor holder, protection disc, O-ring, installation ring, installation screws)



# NO<sub>2</sub> SENSOR + 4-20 mA PCB FOR OEM APPLICATIONS

## SPECIFICATION

<b>Detection principle:</b>	electrochemical
<b>Operation:</b>	continuous
<b>Gas entry:</b>	by diffusion
<b>Measuring range:</b>	0 – 20 ppm NO <sub>2</sub>
<b>Reproducibility:</b>	smaller than 2% of measuring signal
<b>Response time t90:</b>	smaller than 60 sec
<b>Temperature range:</b>	-15 °C up to +40°C
<b>Humidity range:</b>	15-90% relative humidity, non-condensing
<b>Life time:</b>	2 years
<b>Power supply:</b>	20-28 V d.c.
<b>Signal:</b>	4-20 mA, max. load 300 Ohm
<b>Zero adjustment:</b>	automatic
<b>Sensitivity adjustment:</b>	via potentiometer
<b>R.F.I.:</b>	according EN 50081-1 resp. EN 50082-2 B
<b>Recommended storage temp.:</b>	+5 °C up to +20°C
<b>Dimensions:</b>	NO <sub>2</sub> Sensor: 20 mm diameter Height 30 mm incl. terminal block
<b>Part no:</b>	2112B9999
<b>Accessories:</b>	
Installation kit	Sensor holder, protection disc, O-ring, installation ring and installation screws for assembling into a wall mounting box. Part no 2112B1012
Test gas flow cap	Part no: 2112B1010
Aluminium housing	Complete assembly also available in aluminium housing. Part no: 2112B9995

