## **Nitrogen Dioxide**

# SensoriC NO2 3E 50



SensoriC Sensors are designed and manufactured in Justus-von-Liebig-Str. 22, D- 53121 Bonn, Germany WWW.citytech、MSTAP自动化 http://www.sEASch<sup>+4</sup>名(Waff<sup>2</sup>PAC)<sup>6</sup> 伊55<sup>F</sup> 88376489<sup>0</sup>FAK<sup>8</sup>(伊455<sup>4</sup>889<sup>3</sup>76489<sup>0</sup>FAK<sup>8</sup>(伊456<sup>4</sup>889<sup>3</sup>76182 E-MAIL: szss200163.com

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#### **FEATURES**

Amperometric 3 electrode sensor cell Good zero stability Fast response High resolution

#### **TYPICAL APPLICATIONS**

TLV monitoring, parking garages

#### PART NUMBER INFORMATION

MINI	2241-032-30009
SENSORIC CLASSIC	2241-032-30069
CTL 4 series adaptation	2241-032-30049
CTL 7 series adaptation	2241-032-30079

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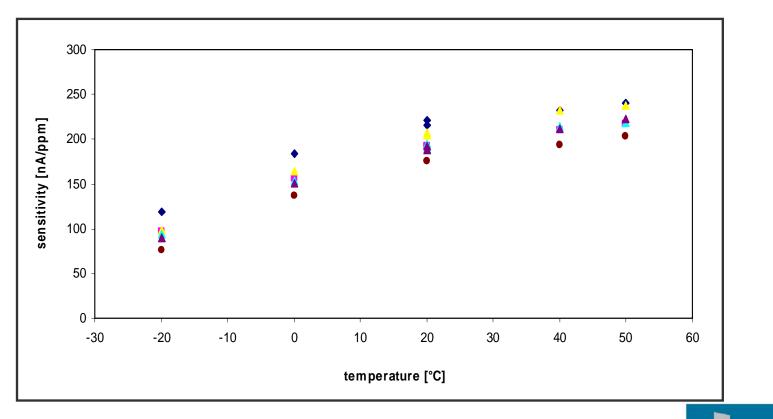
#### **TECHNICAL SPECIFICATIONS**

Measuring Range Sensitivity Range Zero Current at 20°C Resolution at 20°C Bias Potential Linearity	0–50 ppm 200 nA/ppm ± 40 nA/ppm (negative signal) < ± 20 nA < 0.1 ppm 0 mV < 5% full scale
Response Time at 20°C t50 t90	< 10 s calculated from 4 min. exposure time < 30 s calculated from 4 min. exposure time
Long Term Sensitivity Drift	< 5% per month
Operation Conditions Temperature Range Humidity Range	-20°C to +40°C 15–90% r.H, non–condensing
Effect of Humidity	an abrupt change of r.H. will cause a short term drift of zero reading
Sensor Life Expectancy Warranty	> 24 months in air 12 months

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#### **OUTPUT vs. TEMPERATURE:**

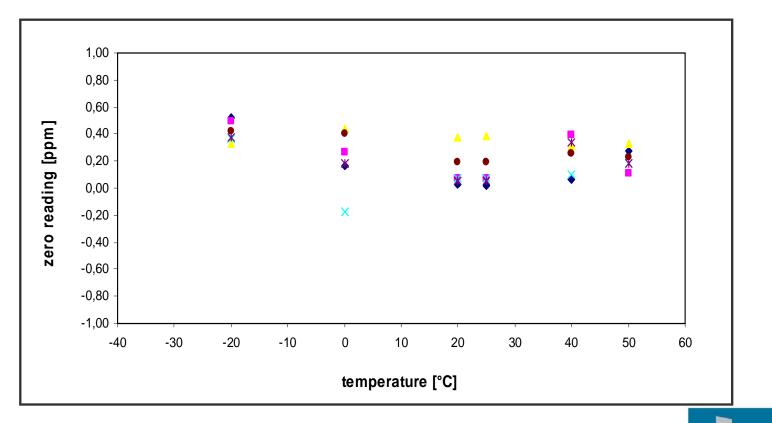


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#### ZERO READING vs. TEMPERATURE:



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#### **CROSS SENSITIVITIES AT 20°C**

Gas	Concentration	Reading [ppm]
Alcohols	1000 ppm	0
Carbon Dioxide	5000 ppm	0
Chlorine	1 ppm	1
Nitric Oxide	100 ppm	0.4
Sulfur Dioxide	20 ppm	5
Hydrogen	3000 ppm	0

Notes:

- 1. Interference factors may differ from sensor to sensor and with life time. It is not adviseable to calibrate with interference gases.
- 2. This table does not claim to be complete. The sensor might also be sensitive to other gases.

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