



Product Specification of:

NO – Automotive Sensor / Type A – 23

.: KEY FEATURE .:

Amperometric gas sensor designed for use in exhaust gas analyzers, meets all BAR '02 requirements.

All characteristics are based on conditions at 25°C, 50% RH and 1013 hPa.

Operating Principle:	3-electrode potentiostatic cell with potentiostat
Electrical Connector:	4-pin Molex®
Gas Connector:	M16 x 1 thread
Measurement Range:	0 to 5,000 ppm
Sensitivity:	45 to 75 nA/ppm
Response Time t_{90}:	< 5 s
Drift:	< 5 % signal/year
Linearity Error:	± 3 % from 0 to 2,000 ppm ± 5 % from 2,000 ppm to full scale
Repeatability:	± 2 % of signal, 20 ppm absolute
Operating Temperature:	0 to 50 °C
Pressure Range:	700 to 1750 hPa
Interferences:	± 20 ppm NO response to: 16 % CO ₂ balance N ₂ 3,000 ppm C ₃ H ₈ balance N ₂ 10 % CO balance N ₂ 75 ppm H ₂ S balance N ₂ 100 % noble gases 75 ppm SO ₂ balance N ₂ 3,000 ppm NO ₂ balance N ₂ 1,000 ppm Benzene balance N ₂



.: STORAGE CONDITIONS .:

Temperature Range:	recommended: 5 to 25 °C maximum: -20 to 60 °C
Ambient Pressure:	700 to 1750 hPa
Humidity:	10 to 98 % RH
Shelf Life:	< 3 months recommended
Weight:	approximately 24 g
Material in Contact with Media:	PP, PPS, PTFE, stainless steel

.: RELATED PRODUCTS .:

Product	Part-No.	Housing Colour	Other Specifics
NO - Sensor A-23	44 00 16	grey	
NO - Sensor A-22	44 00 05	grey	reversed pin configuration

This data sheet is subject to change without prior notice. [A-23-Rev_022011.doc]

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