Product Data Sheet

MNO-LO CiTiceL[®]

ppb Nitric Oxide (NO) Gas Sensor



citutach com

City Technology Limited City Technology Centre, Walton Road, Portsmouth, Hampshire PO6 1SZ UK Tel +44 23 9232 5511 Fax +44 23 9238 6611

Poisoning

CiTiceLs electrochemical sensors are designed for operation in a wide range of environments and harsh conditions. However it's important that exposure to high concentrations of solvent vapours is avoided, both during storage, fitting into instruments, and operation. When using sensors with printed circuit boards (PCBs), degreasing agents should be used before the sensor is fitted. Do not glue directly on or near the sensor as the solvent may cause crazing of the plastic.

Cross Sensitivity Table

Whilst CiTiceLs are designed to be highly specific to the gas they are intended to measure, they will still respond to some degree to various gases. The table below is not exclusive and other gases not included in the table may still cause a sensor to react.

Gas	Concentration Used	Reading (ppb equivalent)
Nitrogen, N ₂	100%	-0.05
Carbon Dioxide, CO ₂	1.12%	17.3
Carbon Monoxide, CO	45 ppm	17.6

Test criteria : Baseline gas 50% RH NO filtered air Cross sensitive gas 0% RH

Cross sensitivity data was calculated reference to the standard regime (baseline 50%Rh filtered cylinder air, 50 & 100 ppb NO @ 20% RH). Due to the effect of RH on the MNO-LO sensor, cross sensitivities have been determined using 0%RH test gas.

The cross-sensitivity values quoted are based on tests conducted on a small number of sensors. They are intended to indicate sensor response to gases other than the target gas. Sensors may behave differently with changes in ambient conditions and any batch may show significant variation from the values quoted.

SAFETY NOTE

Although this product is not designed for use in life safety applications, if it is used in such applications it is a requirement that the function of the device is confirmed by exposure to target gas (bump check) before each use of the sensor and/or instrument, to ensure that the sensor and/or instrument in which it is used, are operating properly. Failure to carry out such tests may jeopardize the safety of people and property.

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Performance characteristics on this data sheet outline the performance of newly supplied sensors. Output signal can drift below the lower limit over time.



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