Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>NO</th>
<th>NO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gases Detected</td>
<td>NO</td>
<td>NO₂</td>
</tr>
<tr>
<td>Sensor Type</td>
<td>Electrochemical fuel cells</td>
<td>Electrochemical fuel cells</td>
</tr>
<tr>
<td>Measurement Range</td>
<td>100 parts per million (ppm)</td>
<td>20 ppm</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.05 ppm</td>
<td>0.05 ppm</td>
</tr>
<tr>
<td>Response Time</td>
<td>less than 10 seconds (90% FSD)</td>
<td>less than 30 seconds (90% FSD)</td>
</tr>
<tr>
<td>Alarm Range</td>
<td>Lower and Upper 0 to 99 ppm</td>
<td>Upper 0 to 19 ppm</td>
</tr>
<tr>
<td>External Alarm</td>
<td>100 ppm</td>
<td>9 ppm</td>
</tr>
<tr>
<td>Alarm Conditions</td>
<td>Water trap full sample line occluded battery low</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 to 40 degrees Celsius</td>
<td></td>
</tr>
<tr>
<td>Sensor Life</td>
<td>&gt; 1 year</td>
<td></td>
</tr>
<tr>
<td>Sidestream Flow Rate</td>
<td>250 ml/minute</td>
<td></td>
</tr>
<tr>
<td>Input Pressure Range</td>
<td>0 to 100 cm H₂O</td>
<td></td>
</tr>
<tr>
<td>Data Storage</td>
<td>24 hours</td>
<td></td>
</tr>
<tr>
<td>Printer Type</td>
<td>320 dot/line, low power thermal printer</td>
<td></td>
</tr>
<tr>
<td>Paper Type</td>
<td>110mm thermal paper</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>Primary 100-250V 50-60Hz, Secondary 12V 1.5A DC</td>
<td></td>
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</tbody>
</table>

Micro Medical Limited
PO Box 6, Rochester, Kent, ME1 2AZ, UK
Telephone 01634 893500
Fax 01634 893600
International +44 1634 893500
Email sales@micromedical.co.uk
Home page http://www.micromedical.co.uk

Reference


Guidelines for the safe administration of inhaled nitric oxide O. J. Miller, D. S. Celermajer, J. E. Deansfield, D. J. Macrae Archives of Disease in Childhood 1994;70:F47-F49.

Progress in monitoring and delivery of inspired nitric oxide therapy British Journal of Intensive Care July/August 1997 p. 149-154 AVV Pawlczynyk et al


Clinical applications of gaseous Nitric oxide J. T. Tibballs. Anaesthesia and Intensive Care, Vol 21, N o. 6 December 1993


Micro Medical Ltd (NOX™) is part of an extensive range of gas monitoring equipment manufactured by Micro Medical Ltd and is offered as Cat No. PN4000. The Micro Medical Environmental Monitors are available as Cat No. EN2000 (NO) and EM2020 (NO₂). Micro Medical Ltd reserves the right to vary details at any time without notice.
...the inspiration behind
Nitric Oxide measurement
Inhaled Nitric Oxide (NO) is used to reduce pulmonary arterial pressure and improve gas exchange in paediatric and adult intensive care settings. Therapeutic NO concentrations must be kept as low and stable as possible, typically a few parts per million. Higher concentrations may have an adverse effect and cause lung injury. Nitrogen Dioxide (NO₂), the by-product of NO, is even more toxic than NO itself and also requires monitoring. The Micro Medical PrinterNOₓ™ is the most advanced NO monitor available today; it allows concentrations of NO and NO₂ to be continually monitored, recorded and printed. A unique built-in sidestream sampling system and intelligent gas sensing mechanism ensure that simplicity of use is combined with unrivalled accuracy and reliability.

To complement the PrinterNOₓ™ and provide extra safety whilst administering NO, Micro Medical manufactures NO and NO₂ Environmental monitors. These monitors give a loud audible warning and visual indication of environmental gas levels. They can be placed anywhere from the operating room wall to the NO gas cylinder itself. Also available are the NO and NO₂ MicroCans for simple calibration of the PrinterNOₓ™.

NOₓSORB – a unique chemical scavenging system designed to reduce exhaust gases from PrinterNOₓ™ during NO therapy and instrument calibration.

NO and NO₂ Calibration Gases provide simple, monthly calibration for the PrinterNOₓ™.
PrinterNOx™

- Small lightweight and portable.
- Simultaneous monitoring.
- Rechargeable batteries for transportation.
- Water trap full alarm.
- Sampling line occlusion alarm.
- Easy to use, clean and maintain.
- Automatic sensor drift detection.
- Intelligent calibration routine.
- 0.05ppm (50 ppb) sensitivity.
- Inbuilt printer with memory.
- No warm up time.
- RS232 capabilities

NO and NO₂ Environmental Monitors
- designed to detect the presence of NO or NO₂ during inhaled Nitric Oxide therapy.

The PrinterNOx™ is now a preferred choice by professionals who are responsible for transporting patients on iNO. Whether by road or air, the PrinterNOx™ is compact and powerful enough to make up part of the life saving transport services.

Portable NO and NO₂ Environmental Monitors - both monitors will give a loud audible warning and visual indication of environmental gas levels. Unique in design, and calibration free, both monitors will give peace of mind to the ITU environment.

High resolution measurements displaying simultaneous monitoring and upper and lower alarm levels.