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Short description

Nitrogene Measurement Device

Product description:	<p>The product we are offering is a portable device for selective gas measuring.</p> <p>The System Micrologger N2 is a safe, light and easy to use device for the measurement of gases in dissolved and gaseous phases.</p> <p>No sample preparation is needed.</p> <p>The measurement of nitrogen is based on a thermal conductivity sensor. Before each measurement the sensor is flushed with a "purge" gas. Then the gas to be measured (Nitrogen) diffuses from the sample flowing the flow chamber into the sensor through a membrane. The concentration of the Nitrogen is calculated by measuring the thermal conductivity of the gas in the sensor.</p>
Technical Data:	<p>Sensor</p> <p><i>Measurement range:</i> 0 to 250 ppm 0 to 15 bar 0 to 100 %</p> <p><i>Accuracy:</i> ± 1,5 % (Sample temperature 20 to 50 °C)</p> <p><i>Response time:</i> 3 minutes</p> <p><i>Temperature measuring range:</i> -5 to 100 °C</p> <p><i>Temperature compensation range:</i> 5 to +60 °C</p> <p><i>Sample pressure limit:</i> 10 bars (150 psia)</p> <p>Device</p> <p><i>Purge gas:</i> Carbon dioxide</p> <p><i>Purge gas cylinder pressure:</i> 57 bar maximum at 25 °C</p> <p><i>Purge gas cylinder autonomy:</i> 120 hours</p> <p><i>Power requirements:</i></p> <p>Akku: 1,2 V or Batteries: two C-type cells, NiCd or alkaline, 2.4 –3 volts total</p> <p><i>Power autonomy:</i></p> <p>15 hours continuous use 3 weeks backup (power off, purge gas on)</p> <p><i>Storage:</i> 500 readings (simply download to PC via RS-232 interface)</p> <p><i>Dimensions (W x H x D):</i> 198 mm x 115 mm x 220 mm</p> <p><i>Weight:</i> 4.6 kg (including gas cylinder and sensor)</p>
Warranty:	1 year

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Price:	13.960 EURO (13.540 US\$)* (1 device) 13.262 EURO (12.864 US\$)* per device (2 to 5 devices) 12.690 EURO (12.309 US\$)* per device (6 to 10 devices) all prices Ex-works * Exchange rate: 0,97 US\$ = 1,00 EURO
Advantages:	Safe, light, easy to use. Robust and compact construction High level of accuracy Measurements are not affected by the presence of other gases unlike traditional total pressure /temperature methods. Stores up to 500 readings

Device picture:

