

MEC oxygen sensor datasheet



About

The MEC is based on our proven 9212 range of electrochemical oxygen sensors. These cells operate by the principal of electrochemical galvanic action which produces an electrical current proportional to the absorption of oxygen through a Teflon membrane. The absorption rate is proportional to the partial pressure of oxygen present. As neither the membrane or partial pressure of oxygen are affected by the majority of most other gases, the sensor output is virtually immune to cross interference.

With long life expectancy, the 9212 series sensor within the MEC and the MEC itself are field replaceable making them an extremely cost effective choice for monitoring oxygen.

Specifications:

Ranges:

0 to 100% (atmospheric pressure)
0 to 3000mBar (hyperbaric)

Accuracy:

The sensor error is less than 350ppm plus 1% of the sensor reading at constant temperature. The variation of the temperature is less than 0.15% of reading /°C

Operating temperature:

-5 to 55°C

Temperature effect:

±0.1% reading °C

Ambient pressure:

700mbar to 3000mbar

Humidity:

0 to 99% non condensing

Analox has a policy of continuous improvement and we reserve the right to upgrade or change specifications without prior notice. Full technical specifications are available upon request.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.