

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.

ANALOX

15 Ellerbeck Court,
Stokesley Business Park,
North Yorkshire, UK.TS9 5PT.
T: +44 (0)1642 711400
F: +44 (0)1642 713900
W: analox.net

V1 01/12

