

PZA-MC25-N/P

Sauerstoff-Messgerät

mit einem Zirkonoxidsensor

Das Sauerstoffsensormodul PZA-MC25 ist eine komplette Lösung für Sauerstoffkonzentrationsmessungen in einem Bereich von 1 ppm bis zu 25 Vol% O₂. Der Sauerstoff-Sensorkopf ist eine hochgenaue und zuverlässige potentiometrische basierte Zirkonoxidsensormesszelle.



Merkmale

- Standard Messbereichen:
0 ... 1000 ppm & 0...25 Vol% O₂ (two ranges)
Messbereich einstellbar zwischen 1 ppb O₂ & 100 Vol% O₂
- Lebensdauer > 20.000 Stunden im Luft
- Kalibrierungszyklus 1 Jahr, kein Drift
- Einfache Prozess Integration für Diffusion (PZA-MC25-N) und Durchfluss (PZA-MC25-P) basierte Messungen
- Bluetooth Schnittstelle & PC Software für Datenlogging
- Android APP
- Ausgezeichnete Langzeitstabilität
- Ausgezeichnete Auflösung in ppb/ppm Bereich
- Analoge Ausgangssignal: 4...20mA linear
- RoHS/Reach konform
- Hergestellt in der EU

Anwendungen

- Prozessindustrie
- Lebensmittelindustrie
- Gaswarnanlagen
- Medizinische Geräte
- Laborgeräte
- Vakuumgeräte

Oxygen measuring device

with a Zirconia Sensor

The oxygen sensor module PZA-MC25 is a complete solution for oxygen concentration measurement in the range from 1 ppm and up to 25 Vol% O₂. The oxygen sensor is a potentiometric zirconia based cell with high reliability and high accuracy.

PZA-MC25-N oxygen sensor module for process integration or diffusion based oxygen measurements between 1 ppm and 25% O₂

Sensor configurations for flow based, extractive measurements (left) & diffusion based measurements (right)

Features

- Standard measurement ranges:
0 ... 1000 ppm & 0...25 Vol% O₂
Adjustable measuring range between 1 ppb O₂ & 100 Vol% O₂
- Lifetime > 20.000 hours in air
- Calibration cycle 1 year, no drift
- Easy process adaption for diffusion (PZA-MC25-N) and flow (PZA-MC25-P) based measurements
- Bluetooth interface for easy servicing & PC software for data logging
- Android APP for visualization
- Excellent longtime stability
- Excellent resolution in ppb/ppm range
- Analog output: 4...20mA linear
- RoHS/Reach conform
- Manufactured in EU

Applications

- Process Industrie
- Food industry
- Gas security systems
- Medical units
- Laboratory equipment
- Vaccum equipment

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