



# OXYAN OEM Series

**Zirconium Dioxide  
Oxygen Analyser**



## Features

- Range from 0.1% to 100%
- Super long-life sensor due to non-consumptive technology (5 to 10 years)
- High accuracy - better than 1%
- Active pressure compensation (version with **P** postfix) from 0.5 bar to 1.2 bar ambient atmospheric pressure
- Operates off 24V DC supply
- Low power consumption of 12W (except auto-calibration version)
- 4-20mA output; optional 0-5V/10V
- Single and 2-point calibration
- Linearity of better than 0.3% from 0.1% to 100% oxygen
- 1 bar input pressure
- Consumption of 300ml / min
- Built-in internal restriction
- Cold start-up time of 5 minutes
- Two open collector alarm outputs
- Calibration and setup from RS232 on hyperterminal **OR** manual pushbutton calibration (no PC required)
- Open stainless steel chassis of size: 168 X 130 X 68mm
- Remote auto-calibration model (**OXYAN-200**) has built-in solenoid valves to automatically switch to reference.
- Calibration reference gas may be dry air @ 20.95% which allows accurate low-cost calibration (**OXYAN-200**)

The **OXYAN** series are microprocessor-controlled OEM oxygen analysers with zirconium-dioxide sensors. They are designed to continuously measure oxygen content of pure, dry gases and gas mixtures that demand high measuring-accuracy, reliability and long-term stability.

They can measure over the range from 0.1% to 100%. They provide a 4-20mA output or a 0-5V / 10V output. The **OXYAN** series has been developed specifically for integration into oxygen generators and other oxygen applications. They feature extremely long life due to non-consumptive sensor design – in excess of 5 years under ideal conditions.

The **IS-OXYAN-200(P)** auto-calibration version allows remote auto-calibration. This can save many hours in travelling time and costs. It has built-in solenoid valves for switching between the reference gas and the calibration gas. The auto-calibration gas should be dry air, thus allowing very low maintenance costs.

The **IS-OXYAN-100(P)** version does not have built-in solenoid valves for auto-calibration.

The version with **P** postfix has active pressure compensation from 0.5 bar to 1.2 bar.

*Intelec Systems offer a range of top quality, unique and innovative products. We also offer a wide range of design services and with over 25 years of design experience, we can provide an ideal research, development and production centre.*

*Our products are also used by scientists and research institutes throughout the world.*



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