

# **OXYGEN SENSOR MODULE**

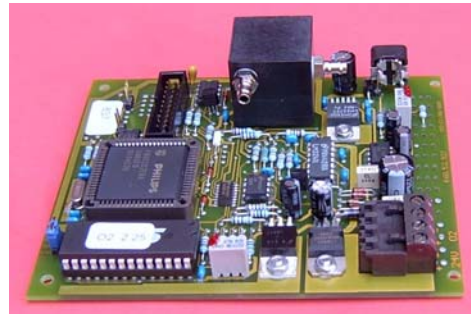
## **With a Zirconoxide sensor**

### **FCX-SERIES**

The famous oxygen sensor serie FCX has been equipped with a modern micro-Controller. The sensor is either mounted directly on the PCB, with or without flowcase, or located on the outside.

### **Features**

- 0...21% O<sub>2</sub>
- No reference gas needed
- Lifetime > 30,000 operation hours
- No calibration needed
- Excellent longtime stability
- Low power consumption
- 0/4...20mA or 0...10VDC linear
- Optional with pump on the PCB
- Optional with RS 232C or RS 485



### **Applications**

Indoor air quality monitoring

Greenhouses, Food storage, Biogas plants

Portable Personal monitors

Medical units

### **Operation principle**

-Limiting current type of a zirconia oxygen sensor

## Specifications:

Measurement ranges	0...21%
Accuracy	+/-1%FS
Response time	$T_{90}=30$ sec.
Repeatability	+/-0.003% O <sub>2</sub>
Operation temperature standard	-10...+50 °C
Warm up time	5 min.
Supply	14...32VDC
Power consumption without pump	100mA
With external shunt	max. 500Ω
Output	0...10VDC ; 0/4 ...20mA- selectable
Life time	>30,000 h
Dimensions	160 x 100 x 25 mm
Weight	380 gm
Pump on the PCB	Option
RS 232C or 485	Option

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