



## Parameter Information Table



DESIGN · MANUFACTURE · CUSTOMISE · CONFIGURE

# Oxygen detection — Trace oxygen sensor

## Fluorescence Based Industrial Optical Flow Sensor Series

### Characteristic

- It works at any oxygen concentration and does not damage the sensor
- High selectivity and sensitivity for oxygen
- Long life, non-consumptive technology-no storage in inert gas environment required
- Fast response and short whistle (degaussing) time
- Connects directly to the controller through the interface
- Factory calibration Users can calibrate their own
- low power consumption-high accuracy



<b>hull</b>  ROBUST	<b>service voltage</b>  8 - 30 V <sub>DC</sub>	<b>working temperature</b>  -10°C to +40°C TEMPERATURE	<b>numeric output</b>  RS485 Modbus RTU	<b>response time</b>  < 30 secs
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### superiority

- Compact size, flow-through housing, sealed base
- contains no harmful substances; complies with
- Not sensitive to stress fluctuations
- Can be used in vacuum applications

### output

Range of oxygen concentration  
Oxygen pressure range  
response time  
purge time  
accuracy

Temperature  
pressure

resolution ratio

Temperature  
pressure

More sensor options can be customized to customer requirements. For details, please email:

typical case

≤

full range μ

This is for your reference only

±

cause It depends on the pressure accuracy

μ

### technical specifications

service voltage		
supply current	average	peak value
Output type		
temperature		
work :	○	○
Storage:	○	○
humidity	Dry, clean gas	
Flow rate in atmospheric pressure range	Minimum	maximum

Need help? Ask an expert

For help, please contact: + 44

(0) 1236 459 020

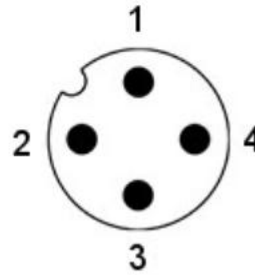
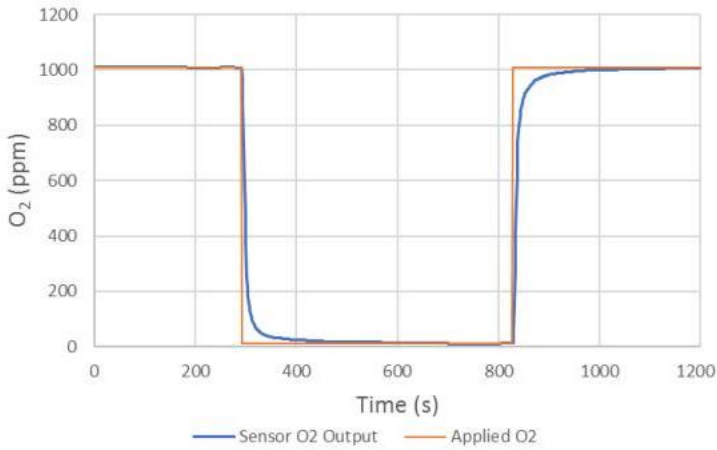


Please refer to the user guide for calibration steps

Values measured under environmental conditions. Unless otherwise stated, all performance parameters are measured in standard conditions. If the ambient temperature fluctuates violently, the sensor may need to be recalibrated

See the response time diagram on page 4

From clean air to the time of the flute



pin	definition

Connector connector

Note that pins and must always be powered on before attempting to communicate with them

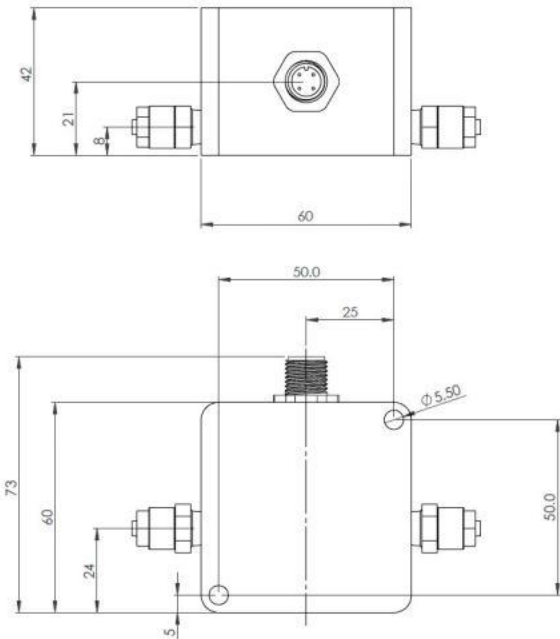
The response time plots shown above are based on the following conditions: oxygen concentration in And Between switches, flow rate .. Use the factory default filter .

outline dimension

All dimensions are in, tolerance ± .

Please specify the material number when ordering.

Order information



For more information, contact .

pay attention to Push-fit pipeline connector.

pay attention to

Do not exceed the maximum rating and ensure that the sensor is operating within the range specified in the specification. Please follow all wiring instructions carefully. Incorrect wiring may cause permanent damage to the equipment.

Do not use chemical cleaners.

Failure to follow the instructions may cause damage to the product.

Information icon

Because customers are not in control of the use of the product, the manufacturer's information does not involve any legal liability. Customers should test the sensors in their own environment to ensure that the products meet their specific applications.

For technical advice and help, please email

Generally, the company reserves the right to modify its products without prior notice or liability. All provided information is subject to proprietary data and is considered accurate until published in print.

REACH 深圳市杰晟兴电子有限公司 JM Components Limited

地址：深圳市福田区中航路7号鼎诚国际大厦南座2007室  
 手机：13662266995 马少良 电话：0755-83951311  
 官网：cn-sensor.com

邮编：518031  
 传真：0755-83952401  
 电邮：jackson@jmcomponents.com