

# OXYMASTER 16TDP

Oxygen and Humidity measurement in one unit

## OXYMASTER 16TDP

This Model was made for fast, accurate and economic measurement of Oxygen and Dewpoint at trace levels. A simple menu-driven software, touchpad and large LCD-display allow easy and fast start-up of the instrument. The Unit measures Humidity between -0.1 and 1000 ppm and Oxygen between 0 – 10000 ppm.

### User-selectable measuring range

The user can select any range within 0 - 10000 ppm and 0.1 - 1000ppm humidity. Free-programmable concentration alarm and a system alarm give versatility meeting almost any requirement.

### Data outputs

For Oxygen concentration and Dewpoint 2 x 4-20 mA output is standard. Other outputs are available on request. RS485 is an option.

### Benefits

- Compact economic instrument with sensor separate from the electronics
- Sensor with long operating life.
- No range switching required Instructions and error messages in normal text (e.g. calibration not OK, change measuring cell)



### Sensor with long operating life

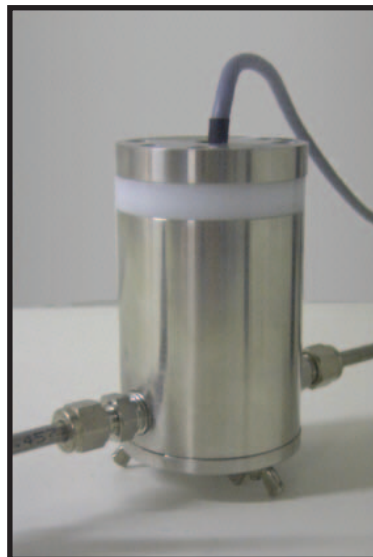
The Oxymaster uses a special fuel cell to measure the oxygen concentration. The sensor meets the industrial requirements for accuracy, sensitivity, easy to use and operating life. (To measure the Humidity the unit uses a P2O5 probe.)

### Calibration

The calibration of the instrument for trace oxygen measurements in gas should be done with a calibration gas. The concentration can be chosen freely within the measuring range.

### Flow-through measuring cell in Stainless Steel

- The measuring cell is modular and is made of stainless steel
- A defective measuring cell can be repaired by replacing the defective part only, rather than the complete unit



 **EdgeTech**  
Moisture and Humidity Systems

**Test Equipment Depot**  
  
1-800-517-8431

99 Washington Street  
Melrose, MA 02176  
Phone 781-665-1400  
Toll Free 1-800-517-8431

 Visit us at [www.TestEquipmentDepot.com](http://www.TestEquipmentDepot.com)

 Back to the Edgetch 16TDP Product Page

# OXYMASTER 16TDP

Oxygen and Humidity measurement in one unit

## Specification

Measuring range :	0 - 10000 ppm O2 Free programmable Lowest range 0-10 ppm
Humidity range :	0.1 – 1000 ppm Humidity Free programmable
Calibration :	With calibration gas
Accuracy :	+/- 2% FSD (T= const.) +/- 5% FSD Over full temperature range (at 0 -10 ppm +/- 1ppm)
Resolution :	0.1 ppm to 100 ppm 1 ppm from 100 to 10000 ppm 0.1ppm Humidity
Response time:	90 % of FSC at 25°C 0-10 ppm < 45 s T90 of Step changes < 60 sec.
Operating Temp. :	0 - 50°C
Pressure:	0.1- 1 bar
Outputs:	2 x 4 -20 mA/DC isol.
Display:	Graphic
System diagnostics :	Self diagnosis with display
Power :	85 - 230 VAC, 44/60 Hz
Oxygen sensor :	Micro-Fuel Cell,
Sensor warranty :	1 year under normal use and maintenance
Expected sensor life :	Over 2 years
Size :	232 x 202 x 163 (W x H x D)
Weight :	5 kg

## Typical

- Variety of sensors available or can be used alone
- User programmable measuring range
- Output signal: 4-20 mA for O2
- Output signal: 4-20 mA for Humidity
- Self-diagnosis
- Clear text graphic display
- Data tracking, temperature reading
- SS316 measuring cell
- Instructions and error messages in Normal text
- Universal power supply  
85 - 230 VAC 50 - 60 Hz  
24 VDC / ca. 50 Watt



## Sensor

P2O5 (independent of flow between 0.25 – 2.5 l/min)



Applications are found in

Semi Conductor Industry

Gas Manufacturers

Metallurgical Industries

Chemical Industry

