

# ULTRA TRACE OXYGEN ANALYZER

## TO-400 Series



### Description:

The TO series portable analyzer is a cost effective solution in a small package for oxygen measurement and control applications. It is compact, cheap and easy installation and designed to provide the trained operator with useful information relating to the concentration of oxygen in non-flammable gases and non-hazardous area. Its microprocessor based main board can offer accurately measure ppm to percent range oxygen. It is ideally suited for measuring trace or high levels of oxygen in applications including High Purity Welding, Solder Reflow, Metal Annealing, semiconductor furnaces, glass manufacture, inert atmosphere chambers, and nitrogen or oxygen generators.



**Toplab**  
*Instruments*

[www.toplab17.com](http://www.toplab17.com)

5F., No. 5, Alley 1, Lane 214, Sec. 4, Chengkung Rd., Neihu, Taipei, Taiwan.

Tel: 886-2-87912436

Fax: 886-2-87912416

## Advantage:

- Compact, easy installation
- Long life zirconia sensor
- Five to ten years expected operational life
- Sensor will not dry out or freeze
- Calibrated on site
- Flow meter with needle valve
- Low maintenance

## Caution:

- Never expose the Analyzer to flammable gases.
- Please keep the sampling flow at calibration rate.
- It need be recalibrated if the background gas were not nitrogen.
- Please keep the instrument in good air ventilation.

## Specification:

Model:	TO-400
Style:	Online
Measuring Range :	0.001 ppm- 100.0 %
Units :	%/ ppm, Auto Unit
Digits :	4
Display/ Operation :	Touch Panel
Accuracy :	> High Calibration Point, $\pm 2\%$ of Full Scale < High & > Middle Points, $\pm 2\%$ of High Point < Middle & > Low Points, $\pm 2\%$ of Middle Point < Low Point, $\pm 2\%$ of Middle Point
Response Time:	$T_{95} \leq 5$ sec.
Analog Output :	4/20mA (0-10V Optional)
Digital Output :	RS232 & USB Disk (RS485 Optional)
Alarm Relay :	None
Alarm Warning :	On Touch Panel
Calibration@ 1 l/min :	3 Points (Standard)
Calibration by User	Yes
Warming Up:	> 200 sec. (Suggestion)
Ambient temperature:	-5°C to +45°C
Trend Chart :	Yes
Analog Output :	4/ 20 mA, High/ Low Point adjustable
Customer Calibration :	Yes
Software Upgradeable :	Yes
Recording Interval :	$\geq 5S$ , Selectable
Sampling Pump	Yes
Power:	100-240VDC, 50/60Hz