

# TAC 640 Portable PPM Oxygen Analyzer with USB Data Logging & Sample System

- 0 – 1 PPM Low Range; 0 – 25% High Range
- Large Backlit Display w/ User Friendly Menu
- Data Log via Removable USB Flash Drive
- Integral Swagelok Bypass Valve System
- Continuous Analysis during Charging
- Electrochemical Sensor Technology

The TAC-640 oxygen analyzer combines a rugged portable design with a precision oxygen sensor. The result is a highly reliable and cost-effective design with easy-to-use user interface.

The analyzer comes with a 0 – 10 PPM full scale low range and a removable USB flash drive for data logging via .CSV (Excel) file format. With an 8GB USB Flash Drive, you can data log for 1-minute intervals for about 50 years before running out of storage. The low full-scale range and flexibility to easily access data allows this analyzer to be unmatched in the market.

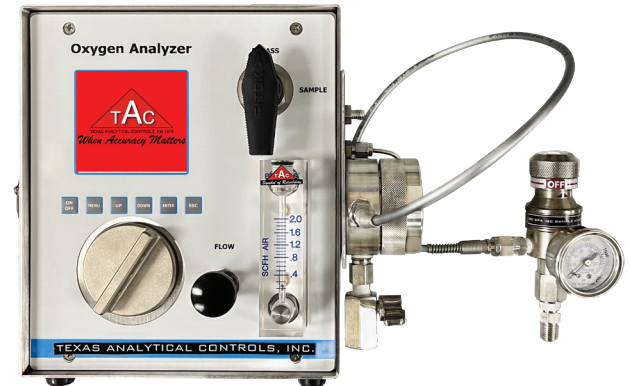
The display of the analyzer is designed to be used in direct sunlight. No need to bring a shade or other method to see the screen.

The oxygen sensor used in the TAC-640 is an electrochemical fuel cell principal. All oxygen sensors are manufactured in the United States under a strict quality program.

The standard cell (TO2-133) is unaffected by other background gases such as H<sub>2</sub>, He or Hydrocarbons. The acidic cell (TO2-233) works well when acid gases such as CO<sub>2</sub> or Natural Gas are present.

The sensors are self-contained and minimal maintenance is required – no need to clean electrodes or add electrolyte.

Each unit comes with a membrane filter with needle valve to provide a sample free of liquids and a regulator for sampling. The regulator can be used for a maximum input pressure of 1500psig and will provide an output pressure of 10psig to the analyzer. Each analyzer comes in carrying case.



## Specifications

Accuracy:	< +/- 1% of Full-Scale Range*
Analysis Range:	0-10/100/1000ppm/25%
Battery Indicator:	Integrated into Large Display
Calibration:	Periodically
Data Logging:	Removable USB Flash Drive
Display:	Large with Backlight
Enclosure:	Brushed Stainless Steel
Flow Sensitivity:	0.5 – 5 SCFH
Sample Line Connection:	1/4" NPT
Output (Analog):	0 – 1V DC
Power:	Rechargeable Battery 100 – 240 VAC AC Adapter
Estimated Battery Life:	40 Hours before Recharge
Sample System:	Flow Control, 4-way Sample/ Bypass Valve, Flow Indicator
Sensor:	TO2 – 133 Trace O <sub>2</sub> Sensor
Sensor Life:	9 – 12 Months
Temperature:	0° – 50° deg C
Temperature Compensation:	Integral
Warranty:	12 Months
Weight:	20 Pounds with Carrying Case

\*Accuracy at constant conditions



TEXAS ANALYTICAL CONTROLS, Est 1975

*When Accuracy Matters*

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