

# OXYTRON 2000™

Process Oxygen Monitoring and Inert Gas Control System



## The premier industrial Oxygen analyzer for monitoring and controlling inert process atmospheres

The Oxytron 2000 is the only custom-configured instrument available OFF-THE-SHELF that automatically controls Oxygen in your process.

Combine this premium-quality instrument with one of Neutronics' process Oxygen sampling systems for the most comprehensive custom safety solution available anywhere!

### FOUR INSTRUMENTS IN ONE - PREMIUM FEATURES

- Dual channel operation - control two processes with one instrument
- Two field instrument inputs with alarms and relays - temperature, pressure, PH, RH, and more
- Real-time sensor trending and maintenance-prediction
- Programmable automated maintenance features, including sensor calibration and flow switch check
- Programmable real-time diagnostic alarms with relays
- Programmable analog & digital process control outputs



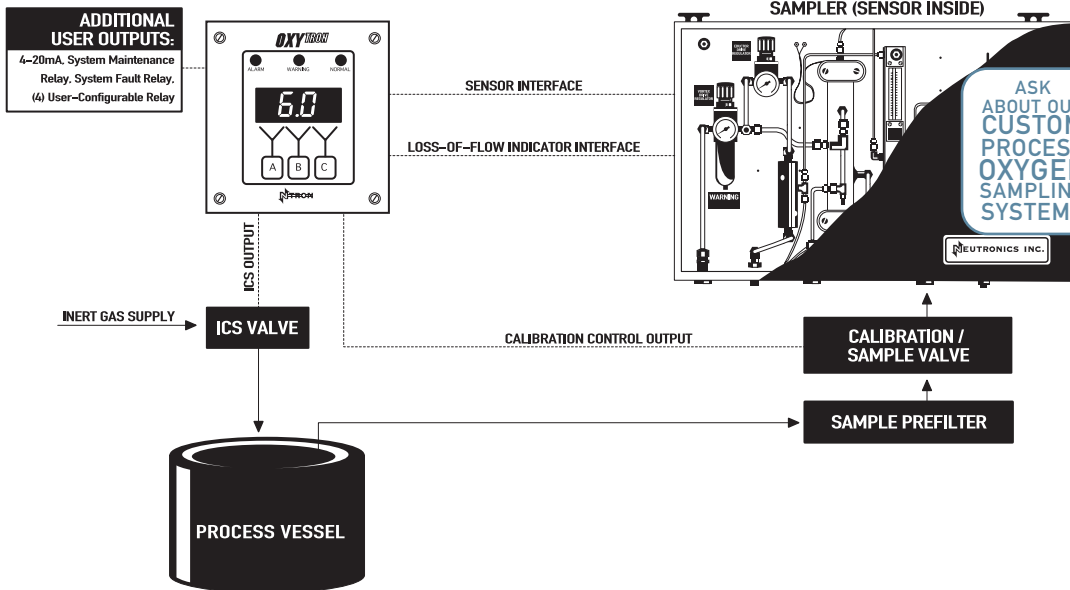
From left to right:  
Explosion Proof, Wall Mount, 19" Rack Mount



...Enjoy the benefits of this full-featured instrument for process safety and economy...

- **INCREASED SAFETY MARGINS**  
CONTINUOUSLY MEASURES OXYGEN TO CONTROL INERT GAS PURGING
- **LOW INSTALLATION COST**  
NO ADDITIONAL HARDWARE/SOFTWARE NEEDED, READY TO INSTALL
- **LOW MAINTENANCE**  
AUTOMATED SENSOR PERFORMANCE AND SAMPLE FLOW DIAGNOSTICS WITH RELAYS
- **LOW OPERATING COSTS**  
COMPLETELY AUTOMATED, STAND-ALONE SYSTEM
- **REDUCES INERT GAS CONSUMPTION & VOC EMISSIONS**  
USES INERT GAS ONLY AS NEEDED TO MAINTAIN SAFE OXYGEN LEVELS
- **USABLE WITH ANY NEUTRONICS PROCESS OXYGEN SAMPLING SOLUTION**

## HERE'S HOW IT WORKS...

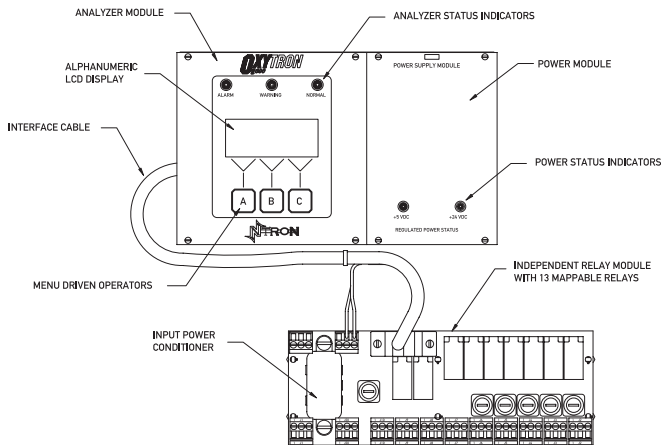


The Neutronics Inerting Control System (ICS) is the only proven system that automatically controls the level of oxygen in your process, keeping it at a safe level.

Originally developed for one of the country's largest chemical manufacturers, Neutronics ICS has been proven reliable in thousands of installations and is **GUARANTEED** to work in your process vessel.

THE NEUTRONICS OXYTRON CAN CONTROL TWO INDEPENDENT PROCESSES - TWO ANALYZERS IN ONE

## OXYTRON 2000 SPECIFICATIONS



Panel-Mount Oxytron Module pictured above

<b>Sensor</b>	Up to two Galvanic type, available in various models to meet the application
<b>Measurement Range</b>	0.01 to 25% Oxygen, fixed range
<b>Display</b>	0.5" 4-line LCD alphanumeric display, backlit; color-coded LED's for system status, red=Alarm, yellow=Warning, green=Normal
<b>User Interface</b>	3 menu-driven soft key operators
<b>Response Time</b>	T <sub>90</sub> < 15 seconds
<b>Accuracy</b>	+/- 1% full scale deflection
<b>Signal Interface</b>	(2) 4-20mA, Isolated, range configurable, Max load 550ohms
<b>Alarms &amp; Controls</b>	User adjustable alarms with programmable relay mapping for Inerting Control, Calibration Control, Sample Prefilter Backflush, Check Loss-of-Flow Indicator, Fault Alarm, Maintenance Alarm, multiple O <sub>2</sub> Alarms
<b>Additional inputs</b>	(2) 4-20mA user configurable; (2) digital Calibration trigger
<b>Power</b>	110/220VAC, 50/60Hz, 30 Watts
<b>Enclosure Options</b>	NEMA 4X Stainless Steel, NEMA 4/7 Explosion proof, standard 19" rack-mount. Custom multi-module rack mount enclosures are also available.
<b>Warranty</b>	Limited - 1 year

**NETRON** A DIVISION OF **NEUTRONICS INC.**  
456 Creamery Way, Exton, PA 19341

Phone: 610.524.8800 • Fax: 610.524.8807 • Email: info@neutronicsinc.com

www.neutronicsinc.com