

## NAOXY

Portable Oxygen Analyser  
Trace/Percent, Intrinsically Safe

### NAOXY Portable Oxygen Analyser

Naoxy portable analyser for trace and percentage-level oxygen measurement.

Its rugged design combines reliable oxygen sensors with accurate ppm and percentage readings across a wide range of background gases, including hydrocarbons.

The rechargeable batteries provide at least 100 hours of continuous operation, supported by a low-battery indicator. Quick-disconnect fittings simplify sampling, while an optional external sample system provides added flexibility.

Microprocessor-based electronics ensure accurate, high-resolution measurements and easy operation.



#### **Built for Reliability**

Supplied in a durable, foam-lined carrying case.

### APPLICATIONS

- Air separation and liquefaction
- Monitoring of pure gaseous hydrocarbon streams
- Semiconductor manufacturing
- Protective atmosphere blanketing of liquid feedstocks and flammable liquids
- Process analysis of gaseous monomers, including vinyl chloride, propylene, butadiene, isoprene and ethylene
- Gas purity certification
- Glove box and pipeline leak detection
- Natural gas treatment and transmission
- Catalyst protection
- Inert gas welding of exotic metals
- Wave and reflow soldering
- Heat treatment and bright annealing
- Nuclear fuel processing and isotope separation
- Chemical reaction analysis
- Headspace gas analysis
- Crystal growth
- Plastics manufacturing

### FEATURES & BENEFITS

- Intrinsically safe, FM/FMc or ATEX approved
- Digital meter readout
- 0-1 VDC output, data logging capabilities
- Ideal for measuring O<sub>2</sub> in natural gas and a variety of other background gases
- Long-life, maintenance-free, Micro-fuel Cell oxygen sensor
- Universal AC charger

### OPTIONS

- Real-time data-logging capabilities with digital output that can be downloaded directly to a PC
- Stainless steel quick disconnect gas fittings
- Sample system consisting of coalescing filter, needle valve, flow meter, fittings and tubing suitable for trace/percent O<sub>2</sub> analysis
- Insta-trace for fast recovery after installation
- NG option: H<sub>2</sub>S and sulfur resistant sensor

## Specifications

|                              |                                                                                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Ranges</b>                | NAOXY-T: 0–10 ppm to 0–25% O <sub>2</sub><br>NAOXY-XL: 0–2 ppm to 0–25% O <sub>2</sub><br>NAOXY-P: 0–1% to 0–25% O <sub>2</sub> |
| <b>Response Time</b>         | Trace ranges with B-2C sensor: <60 seconds<br>Percent ranges with B-1 sensor: <7 seconds                                        |
| <b>Operating Temperature</b> | 32–104°F (0–40°C)                                                                                                               |
| <b>Reproducibility</b>       | ±1% at constant temperature                                                                                                     |
| <b>Sensor Type</b>           | Micro-fuel cell                                                                                                                 |
| <b>System Power</b>          | Ni-Cad batteries, AC adapter included for charging<br>110/220 VAC, 50/60 Hz, 0.25 A                                             |
| <b>Weight</b>                | 6 lbs (2.71 kg)                                                                                                                 |
| <b>Approvals</b>             | Factory Mutual FM/FMc, intrinsically safe, Class I, Division 1, Groups A–D, T6<br>ATEX: Ex ia IIC T3<br>CE marked               |
| <b>Battery</b>               | Ni-Cad, more than 100 hours per charge<br>Expected battery life: 5 years                                                        |



**NAOXY is available with an optional sample system, including a coalescing filter, stainless steel needle valve, flow meter, flexible tubing and fittings.**

### Warranty

Instrument is warranted for one year against defects in material or workmanship.

NOTE: Specifications and features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. All specifications and features are subject to change without notice.

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