



Quantek Instruments, Inc.
183 Magill Drive
Grafton, MA 01519
(508) 839-3940 / fax (508) 819-3444
sales@quantekinstruments.com



Model 201 Portable Oxygen Analyzer

The Quantek Model 201 is a portable oxygen analyzer used primarily for the measurement of O₂ concentration in gas flows, chambers, or gas flushed hoods (such as glove boxes). The analyzer comes with both an "open faced" fitting and a T-fitting, allowing it to be used for analyzing gas flows, or set in chambers where oxygen levels need to be monitored.

The sensor operation is not sample flow dependent, and accurate results are obtained on both static and flowing samples.

HEAVY DUTY, LONG-LIFE SENSOR

The sensor is a proprietary electrochemical type with a measurement range of 0.0 to 100%. Excellent linearity through the entire range allows a calibration with one set point using room air. It is unaffected by high levels of background gases such as nitrogen or carbon dioxide. The Model 201 can be used for applications where the oxygen level is very high (50 to 100%), without overloading the sensor. It is unaffected by trace hydrocarbons or high levels

of CO₂, which can poison other types of sensors, and operates independent of flow rate.

BATTERY OR AC OPERATION

The Model 201 comes in two configurations – pick either AA battery operation, or AC power operation to allow for 100% uptime.

Specifications

Technical Specifications

- **Range:** 0.0 to 100% Oxygen
- **Resolution:** 0.1% Oxygen
- **Accuracy:** +/- 2% of reading
- **Minimum Detection Limit:** 0.1%
- **Drift:** less than 1% per month

- **Sensor:** Electrochemical Cell (expected lifetime 4 to 5 years)
 - **Calibration:** Calibrates with room air; SPAN keypad adjustment on front panel
 - **Calibration Frequency:** Minimum once per year
 - **Power Supply:** Two "AA" alkaline batteries;
 - **Size:** 90 x 40 x 140 mm
 - **Weight:** 1 lb. (450 gms)
 - **Warranty:** 2 years, parts and labor
 - **Standards:** CE RoHS
-

Applications

- Process Applications
 - Gas flow analysis
 - Welding Applications
 - Bioreactors
 - Gas Blending Systems
 - Fruit Storage Areas
 - Fermentation
 - Controlled Atmosphere Rooms
 - Glove Box Applications
-

What's Included

- 1/4 in ID open inlet fitting (for setting in a chamber)
 - 1/8 in "barbed" T-fitting (to capture gas and keep your system closed)
 - 4 AA alkaline batteries (for battery powered version) OR 5V DC power supply (for power supply version)
-

Optional Items

Optional AC power configuration - includes 5V AC to DC adapter; international prongs for EU, AUS, or UK style outlets