



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

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Model 902D O₂ / CO₂ Headspace Analyzer

For Analysis of Oxygen and Carbon Dioxide In Gas Flushed (MAP) Food Packages



Demonstration Video



October 2012 - Now with more durable sample probe assembly:



The Quantek Model 902D is a benchtop, portable oxygen analyzer used primarily for the measurement of residual oxygen and carbon dioxide in gas-flushed (CAP/MAP) food packages.

The expected oxygen sensor life is typically 5 years, unlike other analyzers with a sensor that last 1-2 years, reducing total cost of ownership, and analyzer downtime.

This O₂ CO₂ Analyzer contains an internal pump to draw in sample from your package and display results in 30 seconds.

EASY SAMPLING & ANALYSIS

The Model 902D analyzer sample probe is tipped with a particulate filter and luer fit syringe needle with side-port holes to prevent plugging. When the pump is activated, sample is drawn through the probe and tubing and then to the oxygen sensor.

The pump is electronically timed to draw in the precise amount of sample required for the analysis, and then turns itself off after the pre-set sampling time (5 to 10 seconds). The O₂ and CO₂ concentration is read on the display within 20-25 seconds.

ABOUT THE SENSORS

The solid-state infrared CO₂ sensor has no moving parts, a compact optical cell, and microprocessor-based calibration factors using a 6th order polynomial equation and 32 bit processor to linearize the full range measurement up to 100%.

Both sensors are unaffected by high levels of background gases such as nitrogen. The expected life of the CO₂ sensor is theoretically unlimited, as it contains no moving parts.

The expected electrochemical O₂ sensor life is typically 5 years, unlike other analyzers with an electrochemical sensor that last 1-2 years.

✓ Typical lead time 1-2 days, rush order available

- Request price quote
- Email with questions
- Call: (508) 839-3940

TEST THESE MODIFIED ATMOSPHERE PACKAGES:

- Meats
- Dairy Products
- Produce
- Snack Foods
- Baked Foods
- Prepared Meals
- Coffee
- Pet Foods
- Dessert Foods
- And Many More.

FEATURES

- ✓ Economically priced
- ✓ Internal pump & sample probe included
- ✓ Range 0.1%-100%
- ✓ Results in 15-20 seconds

- ✓ AC or battery operation
- ✓ Liquid blocking filters
- ✓ Rugged enclosure
- ✓ Requires very little headspace (>10cc)
- ✓ Adjustable pump time
- ✓ Optional fast responding sensor for 5 second response time
- ✓ Includes starter pack of foam septas, needles & filters, and international compatible 100-240V charger / power supply

ABOUT THE PUMP

The rugged miniature diaphragm pump has electronically controlled timing function to operate only when sampling. It provides high flow rate and long operating life.

The pump is electronically timed to draw in the amount of sample required for the analysis, and then turns itself off after the pre-set sampling time (5 to 10 seconds).

OPTIONAL RECHARGEABLE BATTERY

Totally sealed, long-life gel battery (optional) accepts full or partial charging cycle. Charger module plugs into standard 115V outlet for charging or continuous operation, though it can accept 100-240V for worldwide use.

MICROPROCESSOR/ELECTRONICS

Micro-processor based electronics provide sensor signal processing, battery charging, pump timing and on/off control for high accuracy and reliability with minimal component use and reduced size and cost.

SPECIFICATIONS

Call (508) 839-3940, email sales@quantekinstruments.com, or fill out our brief application form with quote requests or questions about our Model 902D O2 CO2 Analyzer.



All of our products are manufactured in the USA.