



## **Model 905 Headspace**

### **Oxygen Analyzer**

The Quantek Model 905 is a benchtop, portable oxygen analyzer used primarily for the measurement of residual oxygen in gas-flushed food packages.

The Model 905 is used primarily for the measurement of residual oxygen in CAP/MAP food packages. With an expected oxygen sensor life of 4-5 years, it vastly outperforms

other oxygen analyzers with a cheap sensor that might last 1-2 years.

Use it in the lab, or on the packaging line. While the performance and functionality is the same as our Model 901, the Model 905 is the better choice for conducting testing when the operator is stationary. This is primarily due to its tip up feet, and form factor. Also, its high end rugged metal enclosure ensures its overall durability.

#### **HOW TO SAMPLE YOUR PACKAGES**

The sample probe is tipped with a particulate filter and syringe needle. Affix the foam septa to your package, insert the needle through the septa, and press the pump button. Sample from your package is drawn through the probe and into the internal oxygen sensor.

The pump will draw about 5 cc/second from your package. The pump will run from 2 to 12 seconds and this time is easily adjustable using the controls. This adjustment is especially important for packages of varying size, or for rigid packages. The oxygen measurement displays on the LCD within 15-20 seconds.

#### **LOWEST TOTAL COST OF OWNERSHIP**

 **CLICK FOR QUOTATIONS & PRICING**

Y

The Model 905 oxygen analyzer is the market leader for durability, simplicity, and reliability. The initial lower cost, and longer-life sensor, makes it best in class for laboratory package oxygen analyzers.

#### ABOUT THE INTERNAL OXYGEN SENSOR

The sensor is unaffected by high levels of background gases such as nitrogen or carbon dioxide, and unaffected by trace hydrocarbons. You can use the Model 905 for applications where oxygen level is very high (50 to 100%) without overloading the sensor. The expected oxygen sensor life is typically 4-5 years, unlike other analyzers with a sensor that last 1-2 years.

---

## **Specifications**

### **Technical Specifications**

- **Range:** 0.0 to 100% Oxygen
- **Resolution:** 0.1% Oxygen
- **Accuracy:** +/- 1% of reading
- **Minimum Detection Limit:** 0.1%
- **Drift:** less than 1% per month
- **Sensor:** Proprietary electrochemical cell, expected lifetime 4-5 years
- **Sample Pump:** Internal, draws ~5cc/sec, with 2-12 second adjustable timer (on back of unit)
- **Sampling Assembly:** Probe with male luer connection for side-port needle, PTFE tubing
- **Calibration:** Calibrates with room air; SPAN adjustment on back; ZERO adjustment on back
- **Calibration Frequency:** Minimum once per year
- **Power Supply:** 100-240V (50-60Hz) Charger included, with US or international interchangeable plug adapter (upon request)
- **Backup Power:** Optional 12V internal battery pack
- **Input Voltage:** 100-240V, 50-60Hz
- **Battery Life:** 10-14 hours before recharging
- **Size:** 9.8in x 4in x 10in. (249 x 102 x 254 mm)
- **Weight:** 8 lb. (3.6 Kg)
- **Warranty:** 2 years, parts and labor
- **Standards:** CE, RoHS
- **Included Consumables:** 200 foam septas, 2 luer fit needles, 2 particulate filters, 2 liquid block filters
- **Included Documentation:** Owners manual (includes operating instructions with detailed calibration instructions, calibration certificate, precautions), NIST calibration certificate
- **Origin of Goods:** Our products are manufactured in the U.S.A.

---

## **Applications**

- Meats
- Cheese
- Coffee
- Dairy Products

- Produce
- Snack Foods
- Baked Foods
- Prepared Meals
- Sandwich Packages
- Pet Foods
- Dessert Foods
- and Many More

---

## **What's Included**

Includes everything you need to begin sampling:

- Built-in pump, sample probe.
- Starter pack of 200 foam septas
- 2 needles.
- 2 particulate filters,
- 2 moisture blocking filters
- Power supply / charger - (International compatible 100-240V)



---

## **Optional Items**

- **OPTIONAL RECHARGEABLE BATTERY** - Totally sealed, long-life 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.
- **SUPER FAST SENSOR** - For high volume sampling, upgrade to our super fast sensor for results in 5 seconds (normal test results in 15 seconds)
- **.01% RESOLUTION** - Upgrade to optional .01% LCD resolution (normal resolution 0.1%)
- **LIMITED HEADSPACE MODIFICATION** This analyzer can be modified for some limited headspace applications, such as for testing vials and bottles. For customers with extremely limited

headspace, the use of our Model 905V is required. Please inquire for more details + specifications  
- and ask about the "Model 905LV", which is not listed as a separate product on the website.

# QUALITY CONTROL