

QuanteK Instruments



Model 901 Headspace Oxygen Analyzer

HOW TO SAMPLE YOUR PACKAGES

The sample probe is tipped with a filter and needle. Simply affix the foam septa to your package, insert the needle through the septa, and press the pump button. Sample is drawn through the probe and into the internal oxygen sensor. The residual oxygen concentration displays within 15-20 seconds.

LOWEST TOTAL COST OF OWNERSHIP

The Model 901 oxygen analyzer is the market leader for durability, simplicity, and reliability. The initial lower cost, and longer-life sensor, makes it the industry leader in handheld portable headspace 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 901 for applications where oxygen level is very high (50 to 100%) without overloading the sensor. The expected electrochemical sensor life is typically 5 years, unlike other analyzers with an electrochemical sensor that last 1-2 years.

LIQUID BLOCKING FILTERS

Sample with confidence using our liquid blocking filters – all contamination is blocked from entering the analyzer, reducing downtime significantly.

HOW TO PURCHASE

U.S. and Canadian customers: Submit a quotation request, email us at sales@quantekinstruments.com, or call us at (508) 839-3940.
visa-mastercard american_express Major credit cards accepted; net 30 terms granted upon credit review.

International customers: Contact us to be forwarded to a sales representative in your country.

SPECIFICATIONS

















Expected Lifetime (oxygen)	4-5 years
Oxygen Range	0.0 to 100%
Oxygen Sensitivity	0.1%
O2 Resolution	0.1%
Analog Output	Not Available
Resolution	0.1% Oxygen
Accuracy	: +/- 0.1% (below 10% oxygen).
Drift	less than 0.4% per year
Oxygen Sensor Type	Proprietary electrochemical cell, expected lifetime 4-5 years
Response Time	15 seconds to T95
O2 Sensor Lifetime	4-5 Years
O2 Sensor Body	ABS Resin
Sample Connection	Sample Probe

Sample Method	Pump
Sample Pump	Internal, draws ~5cc/sec, with 2-12 second adjustable timer (on side of unit)
Pump Timing	2-12 second adjustable pump time, potentiometer on side of analyzer
Minimum Sample Required	10cc
Sampling Assembly	Probe with female luer connection for filter and needle, low volume PTFE tubing
Oxygen Calibration Controls	SPAN adjustment, zero adjustment
Instrument Calibration	Calibrates with room air; SPAN adjustment on side; ZERO adjustment on side
Exhaust port	Vents to air
Power Supply	Four "AA" NiMH rechargeable batteries; auto shut-off after 45 minutes idle. 100-240V (50-60Hz) Charger included, with US or international interchangeable plug adapter (upon request)
Backup Power	Four "AA" alkaline batteries (not included)
Battery Operation	Included
Input Voltage	100-240V, 50-60Hz
Battery Life	10-14 hours before recharging
Measures: O2, CO2	O2
Form Factor	Portable
Size	8 x 4 x 1.8 in. (200 x 100 x 40 mm)
Weight	1 lb. (450 gms)
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.
Products by Gas	Oxygen
Products by Applications	Headspace / Package

APPLICATIONS

	Baked foods		Bottles		Cannabis
	Canned Goods		Cheese		Chicken
	Coffee		Dairy products		Desserts
	Fruit Storage areas		Meats		Pet Foods
	Prepared Meals		Produce		Sandwich Packages
	Snack foods				

WHAT INCLUDED

Includes everything you need to begin sampling:

- Sample probe
- Starter pack of 200 foam septas
- 2 needles.
- 2 small moisture and particulate blocking filters,
- Charger – (International compatible 100–240V, with EU / AUS / UK / NA mains prongs)