

O₂ Analyzer: Permeation, Headspace, Leak detection

mocon[®]

OpTech-O₂ Platinum^{*}

A state-of-the-art O₂ analyzer using optical fluorescence technology, setting a new standard for O₂ analysis in packages.

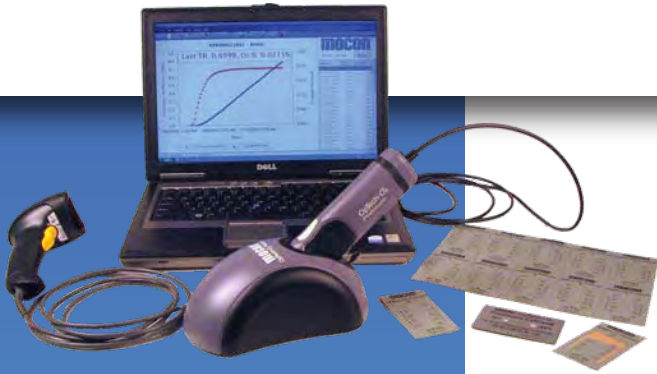
- Permeation
- Headspace
- Leak detection
- Non-destructive shelf-life analysis
- Measures dissolved oxygen
- High performance - Long-life Platinum Chemistry
- Reads values in 0.5 seconds
- Range from 0.001 to 25% O₂
- ASTM F2714-08



**Complies with the new
ASTM Standard: F2714**

* US patent pending

OpTech™-O₂ Platinum



Cutting edge software:

- * Store unlimited data points for each test
- * Unlimited number of concurrent tests
- * Continuously monitor O₂ (real-time)
- * Graph O₂% vs time curves as well as transmission rate
- * Headspace values with pass/fail limits
- * Built in temperature and barometric compensation
- * Bar code automatically retrieves previous sample data



Advantages of platinum chemistry:

- Increased range
- Increased sensitivity
- Stable in ambient light
- Less affected by temperature changes
- Reusable and longer lasting
- Visible non-uv light source, for simple, accurate aiming

Contemporary design:

- Fits nicely into either hand
- Rotate in any direction
- Trigger with any finger
- On/Off sampling button
- Lightweight
- Complete with storage station

Specifications	
Sample size	Limited to platinum sensor size
Repeatability (Certified)	+/- 0.001% O ₂ or 2% of reading, whichever is greater
Range	10 ppm to 25% O ₂ Permeation Mode 100 ppm to 25% O ₂ Headspace Mode
Response	98% of final value within 0.5 seconds
Warm-up time	None
Resolution	4 Significant Digits
Measurement method	Epifluorence Confocal
Sampling method	Optical system with on/off button
Base dimensions	Width: 4.8" 12.19 cm Height: 2.7" 6.8 cm Depth: 10" 25.40 cm Weight: Approximately 5 pounds, 2.27 kg
Optical probe dimensions	Width: 1.3" 3.30 cm Height: 1.9" 4.83 cm Depth: 9" (with needle), 6" (without needle) 22.86 cm 15.24 cm Weight: Approximately 0.5 pounds, 0.23 kg
Operating temperature	10-35 C
Operating humidity	0-100% non-condensing
Universal power supply voltage	USB 5V
Power supply wattage	2.5 watt
Compliance	CE/CSA/UL
Communications	USB
User Interfaces	USB ports optional products
PDF report options	Thru program from computer

MOCON commitment:

This new system is another example of MOCON's 40 year commitment to innovation and quality in the design of permeation testing systems for barrier material assessment.

MOCON is a registered trademark and OpTech is a trademark of MOCON. Copyright © 2009 MOCON Inc.

MOCON reserves the right to change specifications without notice as part of our continuous program of product improvement. Brochure code: 1009

Visit us on the web:
www.mocon.com

mocon
7500 Boone Ave. N
Minneapolis, MN 55428 USA
P. 763-493-6370
F. 763-493-6358
email: mocon@mocon.com