

O₂ Analyzer: Permeation, Headspace, Leak detection

mocon[®]

OpTech-0₂ 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 30% O₂
- ASTM F2714-08



ERMEC

Equipos de control de calidad

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* US patent pending

Complies with the new
ASTM Standard: F2714-08

OpTech-0₂ PlatinumTM

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

Specifications

Sample size	Limited to platinum sensor size
Repeatability (Certified)	+/- 0.001% O ₂ from 0.0001% to 30% O ₂ or 1% of reading, whichever is greater
Range	10 ppm to 30% O ₂
Response	98% of final value within 0.5 seconds
Warm-up time	None
Resolution	1 ppm in range of 1 to 0.25% O ₂ 0.001% in range of 0.25% to 30% O ₂
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	5-40 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

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



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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.

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