

O<sub>2</sub> Analyzer: Permeation, Headspace, Leak detection

# mocon<sup>®</sup>

## OpTech-0<sub>2</sub> Platinum\*

A state-of-the-art O<sub>2</sub> analyzer using optical fluorescence technology setting a new standard for O<sub>2</sub> 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% O<sub>2</sub>
- ASTM F2714-08



**ERMEC**

Equipos de control de calidad

Tel.: (+34) 902 450 160

Fax: (+34) 902 433 088

[ermec@ermec.net](mailto:ermec@ermec.net)

[www.ermec.net](http://www.ermec.net)

\* US patent pending

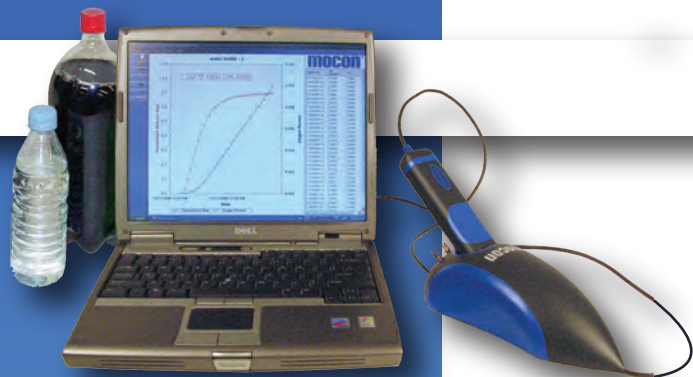
Complies with the new  
ASTM Standard: F2714-08

# OpTech™-O<sub>2</sub> Platinum

## Cutting edge software:

- Store unlimited data points for each test
- Unlimited number of concurrent tests
- Continuously monitor O<sub>2</sub> (real-time)
- Graph O<sub>2</sub>% 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 <sub>2</sub> from 0.0001% to 30% O <sub>2</sub> or 1% of reading, whichever is greater
Range	10 ppm to 30% O <sub>2</sub>
Response	98% of final value within 0.5 seconds
Warm-up time	None
Resolution	1 ppm in range of 1 to 0.25% O <sub>2</sub> 0.001% in range of 0.25% to 30% O <sub>2</sub>
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.

Visit us on the web:  
[www.mocon.com](http://www.mocon.com)

**mocon**  
7500 Boone Ave. N  
Minneapolis, MN 55428  
P. 763-493-6370  
F. 763-493-6358  
email: [mocon@mocon.com](mailto:mocon@mocon.com)



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[www.ermec.net](http://www.ermec.net)