

# PAC CHECK® Model 450 EC

## Benchtop O<sub>2</sub> Headspace Analyzer with Cal-Smart™ and Flo Smart™

The PAC CHECK® Model 450 EC is the first in MOCON's new Performance Series.

Its contemporary design highlights its functionality as a benchtop O<sub>2</sub> headspace analyzer. Its tiny foot print makes it an ideal instrument for fast accurate headspace tests on the packaging line or in the laboratory.

Cal-Smart™ gives you 2 point full range calibration at the touch of a button. Cal-Smart™ uses no calibration gas and ensures an accurate test reading...everytime.

Flo Smart™. Built in technology which detects any blockage of sample flow. Ensures a proper sample was taken

This is the ideal instrument for even small packages, requiring just <5 ml of sample gas.

Simple to use, with only three keys and user replaceable electrochemical oxygen sensor.



- Cal-Smart™
- Flo Smart™
- Exciting new look
- Fast
- Accurate
- Easy-to-use

### Benefits

- Avoid the hassle and cost of calibrating...Cal-Smart™, MOCON's on-demand no gas smart calibration system
- Test small packages. Test packages with a minimum sample size of less than 4 ml of sample gas
- Save on bench space. Just 8" wide 11.6" deep
- Fast — Response time is just 7 seconds
- Export results as needed
- Save downtime with easy operator replacement of the oxygen sensor
- No installation costs. Simple out of the box, ready to use.

**Liqui-Blok™** filter  
 PAC CHECK Model 450 ECs  
 are available with the  
 optional Liqui-Blok filter  
 assembly option which prevents  
 liquids (when present in sample)  
 from damaging the sensor



## PAC CHECK® Model 450 EC

QUALITY CONTROL PACKAGE TESTING SYSTEM

### Oxygen

Concentration range	0 to 100%
Resolution	0.01%
Accuracy	+/- 0.1% O <sub>2</sub> absolute or 2% of relative reading, whichever is greater
Range	0 to 100%
Response	98% of final value within 7 seconds
Temperature compensation	Included in sensor
Pressure compensation	Yes, based on barometric pressure sensor
Oxygen measurement method	Electrochemical
Sample method	Auto internal sampling pump Manual injection optional
Minimum sample size	<5 cc auto - < 4 cc manual
Adjustable pump time	1 - 9 sec.
Factory calibration	Three point
Customer calibration	Automated two point Or manual three point

### Operating Conditions

Ambient temperature range	5° to 40° C
Ambient pressure range	600 to 760 mmHg
Package humidity	0 to 99% non-condensing

### Power Supply

Universal power supply voltages	100, 120, 220 and 240 VAC
Power supply frequency	50 and 60 Hz

### Display

Format	128 x 68
Display area	70.7 mm x 38.8 mm

#### MOCON commitment:

This 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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