

Pac Check® - 300 Series

Portable and handheld gas analyzers for quality control of Modified Atmosphere Packages (MAP)



Portable, accurate and easy-to-use

The Pac Check® Models 302 and 325 are portable and handheld oxygen and carbon dioxide analyzers for checking modified atmospheres inside packages. The Pac Check® Model 333 is also able to measure carbon monoxide. All three are the ideal instruments for portable, fast and accurate headspace tests on the packaging line, in warehouses or in laboratories.

The Pac Check® Series has the ability to store 240 readings so you can be certain that QA/QC checks are being performed. The Pac Check® Series can also download the stored data to your computer via the optional Data Grab™ software. The Pac Check® Model 302 is the ideal instrument for sample tests with only a minimum gas required for even the smallest packs in a Modified Atmosphere Package.

Featuring Cal-Smart® (Model 302, 325 and 333) gives you two-point full range calibration of O₂ at the touch of a button. Cal-Smart® uses no calibration gas and ensures an accurate test reading...everytime.

Benefits

- Portable
- Fast and accurate results
- Easy-to-use and read
- Cal-Smart®

Features

- Test more packages. Fast response time: within 7 -11 seconds (Model 302 and 325)
- Long-lasting batteries for a full day's work. Take up to 500 samples on one full charge
- Rugged protective boot to prevent damage when dropped
- Cal-Smart®, MOCON's on-demand, no tank gas, smart O₂ calibration system. Simple and accurate 1, 2, 3-point calibration

TYPICAL APPLICATIONS

- All Modified Atmosphere Packaging
- Meat/Poultry
- Coffee
- Cheese
- Nuts
- Snack Food Packaging
- Bakery
- Pet Foods
- Pharmaceuticals
- Produce
- Oxygen Scavenger Performance
- Beverages

Try the Pac Check® Series of portable and handheld headspace analyzers



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Technical Specifications

Available configurations	Model 302 (Portable O ₂ headspace analyzer)	Model 325 (Portable O ₂ & CO ₂ headspace analyzer)	Model 333 (Portable CO, CO ₂ & O ₂ headspace analyzer)
Carbon dioxide measurement method	-	Non-dispersive infrared	Infrared
Response O ₂ or CO ₂	98% of final value within 7 sec	98% of final value within 11 sec	98% of final value within 7 sec
Response CO	-	-	Typical response time less than 30 seconds (*95% of full scale step change in less than 60 seconds)
Accuracy CO ₂	-	2% absolute at 0 - 20%; 3% absolute at 20 - 100%	2% absolute at 0 - 20%; 3% absolute at 20 - 100%
Range CO ₂	-	0 - 100%	0 - 100%
Range of CO sensor Accuracy CO sensor	-	-	0.02% - 2% ±0.2% CO abs or ±5% relative reading, whichever is greater
CO measurement method	-	-	Chemical Cell
Calibration	Automated 2-point, or manual 3-point	Automatic 2-point, manual 3-point O ₂ Automatic 1-point, manual 2-point CO ₂	Automatic 2-point, manual 3-point O ₂ Automatic 1-point, manual 2-point CO ₂ 1-point CO
Dimensions & weight	8" x 4" x 1.5" 2.5 lbs. (with batteries and protective boot)	7.5" x 4.3" x 2.3" 1.7 lbs. (with batteries and protective boot)	7.5" x 4.3" x 2.3" 1.7 lbs. (with batteries and protective boot)
Ambient operating temperature	5° - 35° C	5° - 35° C	5° - 40° C (0 - 45° C storage)
Minimum sample size	<4 cc auto (3 cc with manual option)	<5 cc auto (3 cc with manual option)	<25 cc
Supply voltage	100 - 240 VAC or (4) 2000 mAh NIMH rechargeable batteries	100 - 240 VAC or (4) 2000 mAh NIMH rechargeable batteries	100 - 240 VAC or (8) 2000 mAh NIMH rechargeable batteries
Common features			
Accuracy - O ₂ sensor	± 0.1% absolute or 2% relative, whichever is greater		
Range - O ₂ sensor	0% - 100%		
Sample method	Auto internal sampling pump. (Manual Injection optional)		
Adjustable pump time	1 - 90 sec.		
Resolution O ₂ , CO or CO ₂	0.01%		
Display	128 x 68 pixel LCD screen		
Barometric pressure range	400 - 760 mmHg		
Oxygen measurement method	Electrochemical cell		
Memory	240 data points stored		
Markings	CE, CSA, and UL		

Specifications subject to change without notice - further specifications are available in the Operator's Manual



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