Portable Oxygen & Carbon Dioxide Analyzers - 1737 Series

a measurable difference...

Oxygen & Carbon Dioxide Measurement Made Simple

ACCURACY & RELIABILITY

The O_2 & CO_2 sensors provide accurate and drift-free measurement of head space for closed packages and cans, as well as being well suited for continuous improvement analysis.

The oxygen sensor is automatically zeroed whenever the sample is from ambient air and only requires calibration gas for the ppm level sensor.

The Carbon Dioxide is also zeroed whenever the sample is from ambient air and uses a simple keyboard operation for the span calibration.

Sample gas flow rate is measured using a true mass flow sensor and allows the unit to maintain a constant flow rate and alarm if there is a blockage.

AUTOMATIC OPERATION

The operator does not need to touch the analyser once the product has been selected. Each time the sample gas returns to ambient air, the alarm levels are checked, the minimum/maximum measurements are stored and the display is updated.

Features:

- BlueTooth data uploads
- 200 Product categories
- Power or battery operation
- Sample Gas Flow measurement & control
- Large graphic display
- Performs automatic zero calibration when reading ambient air
- Data memory for 3,700 measurements

Applications:

- Flexible Packaging
- Food Packaging
- Pharmaceuticals

See full specifications on next page

Ordering Information:

MODEL NO.	DETAILS
1737-1	Oxygen measurement only (0.1 to 25%) MAP packaging
1737-1C	Oxygen & CO_2 measurement (0.1% to 25%) & Carbon Dioxide MAP packaging
1737-3C	Oxygen & CO_2 measurement (0.1 to 96%) & Carbon Dioxide MAP packaging

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Specifications:

Measuring Range	**Oxygen**: 0.1 to 25%; 30ppm to 25% or 0.1 to 96% **CO_2:** 0 to 100%
Accuracy	**Oxygen**: (25-96%) ±2% **Oxygen**: (10-25%) ±0.5% **Oxygen**: (0.1-10%) ±0.01% **CO_2:** (0-40%) ±1.5% **CO_2:** (40-95%) ±2.0%
Resolution	**Oxygen**: 30 to 96% | 0.1% **Oxygen**: 1.00 to 29.99% | 0.01% **Oxygen**: 0.001 to 0.999 | 0.001% **Oxygen**: 100 to 999ppm | 1ppm **Oxygen**: 0.1 to 99.9ppm | 0.1ppm **CO_2:** 0.1 to 100% 0.1%
Head Space Volume	**Oxygen Sample Flow 50cc/m**: 1% to 10% 15cc 100 to 1,000ppm 40cc **Oxygen Sample Flow 150cc/m**: 1% to 10% 30cc 100 to 1,000ppm 90cc **CO_2 Sample Flow 150cc/m**: 1% to 40% 20cc
Warm Up Time	1 minute
Gas Sample Flow Range	Automatic Control: 50 to 250cc/min Manual Control: 30 to 350cc/min
Gas Connection	1/8” Swagelok tube connection
Communications	Data transfer: BlueTooth to PC
Power Supply	12V or AA batteries (x7)
Dimensions	L 280 x W 180 x H 115mm
Weight	Analyzer: 2kg Power pack: 0.5kg

Accessories Included

Hypodermic Syringe for plastic packs
Septum – Silicon Strip
Filters for dry particulate
Filters for blocking condensate
Sample lines
Rugged Carry Case

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