



Professional Oxygen & Carbon Dioxide Gas Measurement

The 1637-5 Mk II Oxygen and Carbon Dioxide Analyzer incorporates industry proven Zirconia Oxygen sensor, revised to extend sensor life, paired with a purpose built CO₂ measuring cell.

This unit is designed for both sample and hold measurement of modified atmosphere packaging, or for continuous monitoring.

The Zirconia Oxygen sensor used in the 1637-Mk II has been used extensively in industry for over 20 years. The sensor is built in Australia by patented technology developed by the CSIRO. It has proven to be highly robust and provide virtually drift-free measurement for many years of operation. The Oxygen sensor itself can be automatically calibrated in ambient air requiring no special tools or expensive equipment.



Features:

- Bluetooth data downloading
- User programmable process alarm thresholds ®
- Large display shows Oxygen & Carbon Dioxide in real time
- Accurate, rapid response Zirconia O₂ sensor: 1ppm to 100%
- Sturdy non-dispersive Infrared CO₂ sensor, 0 to 100%
- Very low maintenance
- Internal storage for 3680 samples
- 4 x field programmable output relays
- 2 x fully isolated range programmable
- 4-20mA outputs

Applications:

- Flexible Packaging
- Food Packaging
- Pharmaceuticals

See full specifications on next page

Accessories Included

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





Specifications:

Measuring Range	Oxygen: 1 part per million (ppm) to 100% CO₂: 0 to 100%
Accuracy	Oxygen: ±1% of actual measured value Oxygen: ±0.5% of repeatability measured value CO₂: 0-40% ±2% CO₂: 40-80% ±3% CO₂: 80-100% ±5%
Display Resolution	30 to 100% ±0.1% 1.00 to 29.99% ±0.01% 100 to 10,000ppm ±1ppm 0.1 to 99.9ppm ±0.1ppm
Warm Up Time	5 minutes
Response Time	Oxygen: <4 seconds with gas flow of 100cc per minute CO₂: <8 seconds with gas flow of 100cc per minute
Gas Connection	1/8" Swagelok tube connection
Communications	Data transfer: BlueTooth to PC
Analog Outputs	2 x Isolated, linearised -20mA DC, 1000ohm max 4 x user programmable alarm keys
Power Supply	85 to 265VAC, 50/60Hz 115W continuous, 500W maximum instantaneous
Dimensions	265 x 150 x 350mm (10.5" x 6" x 13.75")
Weight	6kg (13.2lbs)



Portable series also available:

- 1737-1 O₂ measurement only (0.1% to 25%)
- 1737-1C O₂ and CO₂ measurement (0.1% to 25%)
- 1737-3C O₂ and CO₂ measurement (0.1% to 96%)