

Headspace O₂/CO₂ Analyzers

Ensure product quality and safety

- Save time and money by preventing spoilage

Use these analyzers to measure residual oxygen in gas-flushed CAP/MAP food packages. Analyzers resist nitrogen and carbon dioxide—commonly used as background gases in packaging. Calibrate the units by sampling room air—normal air reading is 20.9% oxygen. Durable sensor in the analyzer has excellent zero and span stability after calibration.

Benchtop O₂/CO₂ Analyzer

Use these benchtop analyzers for continuous package testing in the laboratory or at the packing line. Analyzers feature a heavy-duty, maintenance-free sensor that compensates for slight temperature variations. Unlike other sensors, accuracy is not affected by flow rate, heat, or hydrocarbon gases.

Model 10360-30 is used to sample food packs, insert the needle tip of the probe into the food pack through a foam seal pad. Seal pad provides a tight seal and prevents air from leaking into the package through the puncture hole. The built-in pump draws in the precise amount of sample required for analysis, then turns off after a pre-set sampling time.

Pharmaceutical oxygen headspace analyzer (model 10360-60) is ideal for measuring headspace oxygen in vials. Low-volume sensor design requires only a small volume of sample—perfect for use with vials from 1 to 250 mL.

What's included: sampling probe assembly, two needles, two syringe filters, pack of 200 septa, 12 VDC rechargeable gel battery, and a 115/240 VAC charger/adaptor.

Specifications

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|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Sensor type: heavy-duty electrochemical O ₂ cell; Infrared CO ₂ sensor (model 10360-70 only) | Sampling assembly: probe/needle holder for luer needle with side hole; disposable filter, 1/16" OD inert tubing. |
| Sampling pump: miniature diaphragm type with adjustable timer from 1 to 10 seconds | Power: 115/240 VAC or rechargeable gel battery (included) |

| Range | Resolution | Accuracy | Catalog number | Price |
|-----------------------------|----------------------|----------|-----------------------------|-------|
| 0.1 to 100% O ₂ | 0.1% O ₂ | ±0.1% | GH-10360-30 | |
| 0.01 to 100% O ₂ | 0.01% O ₂ | ±0.1% | GH-10360-60 | |
| 0.1 to 100% O ₂ | 0.1% O ₂ | ±0.1% | GH-10360-70 | |
| 0.1 to 100% CO ₂ | 0.1% CO ₂ | ±0.1% | | |



Handheld analyzer 10360-20

Handheld Oxygen Analyzer

Use a sampling probe assembly with a needle to pierce through package. A built-in pump draws and delivers a sample to the sensor. Analyzer can also be used for applications where the oxygen level is very high (50 to 100%), without overloading the sensor. Other features include auto shut-off after 45 minutes of nonuse and low-battery indication.

What's included: one sampling probe assembly, two needles, two syringe filters, pack of 200 septa, four rechargeable NiCd batteries, and a charger with 115/240 VAC charger/adaptor.

Specifications

| | |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Sensor type: electrochemical cell | Power: four AA NiCd rechargeable batteries (included) |
| Sampling pump: internal with adjustable timer from 5 to 10 seconds | |
| Sampling assembly: probe with male luer connection for side-port needle, PTFE tubing | |

| Range | Resolution | Accuracy | Catalog number | Price |
|--------------------|------------|----------|-----------------------------|-------|
| 0.1 to 100% oxygen | 0.1% | ±1% | GH-10360-20 | |

Accessories for Both Analyzers

- [GH-10360-24](#) Replacement sampling probe assembly
- [GH-10360-26](#) Replacement needles, side-port hole. Pack of 3
- [GH-10360-28](#) Replacement septa provide leak-tight seal upon needle penetration. Pack of 200

Pocket Ozone Detector

Accurate, easy-to-read digital display

- Versatile meter can be used for fixed or portable monitoring
- Ideal for leak checks in generators, valves and piping

The heated metal oxide semiconductor has a range of 0.02 to 10 ppm; digital readout is in 0.01 ppm increments. Use as a permanent detector indoors when the concentration average is below 0.1 ppm; use outdoors or at concentrations up to 10 ppm for short periods of time. Includes rechargeable batteries, charger, and carrying case. Order optional calibrator to verify that your ozone detector is conforming to the original calibration. Calibrator recalibrates detector at 0.1 ppm. It measures 2 1/4"W x 3 3/4"H x 1"D and includes a 9 V battery.



| Range | Power | Catalog number | Price |
|----------------|--------------------------------------------------|-----------------------------|-------|
| 0.02 to 10 ppm | Rechargeable batteries with a charger (included) | GH-86316-30 | |

[GH-86316-61](#) Ozone calibrator (0.1 ppm)

[GH-09376-04](#) Repl. battery, 9 V. Pack of 4

