



F-950 Three Gas Analyzer

The new F-950 Three Gas Analyzer measures three critical gases: ethylene, CO₂ and O₂ to maintain optimum produce quality at every phase:

- ✓ Inspect storage and packing environments
- ✓ Verify ethylene mitigation efficacy
- ✓ Optimize ripening storage atmosphere conditions
- ✓ MAP quality assurance for ethylene-sensitive products

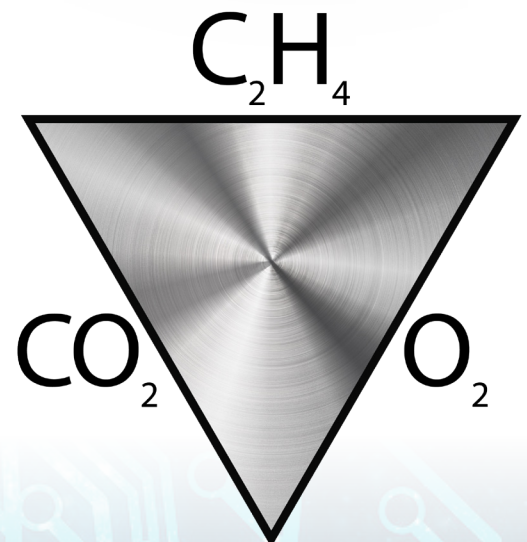


Product Features

- ✓ Fast sampling
- ✓ Injectable sampling for analyzing small volumes
- ✓ High ethylene sensitivity (Resolution 0.1 ppm)
- ✓ Carbon dioxide sensing (0-20%)
- ✓ Oxygen sensing (0-100%)
- ✓ Broad operating range (0-45° C; 0-90% RH)
- ✓ Compact, handheld design
- ✓ Built-in data logging with removable storage (4 GB SD card)
- ✓ Replaceable rechargeable batteries

✓ Fast, Accurate & Cost-efficient Analysis

Ethylene affects ripening, aging, and spoilage in produce. The F-950 measures levels of ethylene, CO₂ and O₂ in the atmosphere, and can be scaled to many environments, from greenhouse to warehouse to transportation container. Simple to operate and weighing less than a kilogram, the F-950 uses an electrochemical cell to measure ethylene between 0-200 ppm in air. It records date, time, relative humidity, and GPS location. The F-950 is ideal for measuring ethylene production across a wide range of fruit types and is especially suitable for managing ethylene emissions from perishable cut produce products.



✓ Modified Atmosphere Packaging Applications

Most MAP gas analyzers are equipped to only measure CO₂ and/or O₂ concentrations. Quality assurance for perishable cut produce demands a more comprehensive analysis. By measuring Ethylene, CO₂ & O₂, the F-950 makes it possible to respond to the change in ripening gases to ensure longer shelf-life and higher quality commodities.

F-950 Specifications

Air Sampling Rate	60 mL/min - 500 mL/min
Data Saving	Automated; 1 second intervals
Display	Sunlight visible transfective LCD
Operating Environment	0° C - 45° C (0-90% humidity non-condensing)
Dimensions	18 cm x 13.5 cm x 5.5 cm
Weight	0.95 kg
Enclosure	Powder coated aluminum
Power Source	Removable rechargeable lithium-ion battery
PC Interface	USB and SD Card
Data Recorded with Each Measurement	Ethylene, CO ₂ and O ₂ Concentrations, Date, Time, RH, GPS Location

C₂H₄ Sensor Specifications

Sensor Type	Electrochemical
Range	0-200 ppmv
Resolution	0.1 ppmv
Accuracy	±5%
Lower Detection Limit	0.5 ppm (500 ppb)

Extended Range CO₂ Sensor Specifications

Sensor Type	Infrared Sensor, Pyroelectric detector
Range	0 - 20%
Resolution	0.01%
Accuracy	±1.5%

O₂ Sensor Specifications

Sensor Type	Electrochemical
Range	0-100%
Resolution	0.1%
Accuracy	±1%



✓ Fast

✓ Accurate

✓ Easy to Use

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