



F-940

Store It! Gas Analyzer

The F-940 Store It! Gas Analyzer makes it easy for Quality Assurance managers to **increase shelf-life** and **prevent spoilage** by monitoring ripening gases throughout the storage process.

ETHYLENE

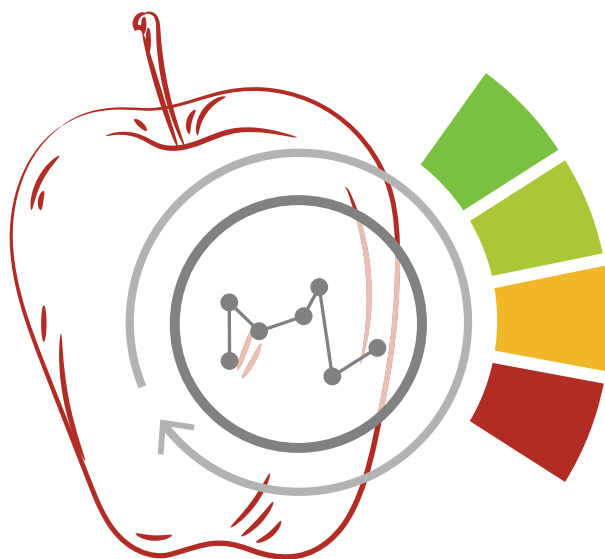
CO₂

O₂

Maintain storage
to optimize quality!

Product Features

- ▶ Measures C₂H₄, CO₂ and O₂
- ▶ Displays results in under 30 seconds
- ▶ Past records stored on the device
- ▶ Handheld and lightweight
- ▶ Battery lasts for 8+ hours
- ▶ Display easily viewed in dimly lit environments
- ▶ PolarCept!™ water filter for removing non-ethylene hydrocarbons



F-940 Specifications

Air sampling rate	70 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	18cm x 13.5cm x 5.5cm
Weight	0.95kg
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	
Sensor type	Electrochemical
Range	0-10ppm
Resolution	0.1ppm
Accuracy	±5% of measuring value
Lower detection limit	0.1ppm
Offset recalibration	Daily
Span recalibration	3 months
Lifetime	12 months
CO₂ SENSOR	
Sensor type	Infrared sensor, pyroelectric detector
Range	0-100%
Resolution	0.01% absolute
Accuracy	±1% absolute and ±3% of measured value
Sampling time	6 seconds
Calibration	Annually
Lifetime	>5 years



O₂ SENSOR	
Sensor type	Electrochemical
Range	0-100%
Resolution	0.1%
Accuracy	±0.25% absolute and ±2% of measured value
Sampling time	6 seconds
Calibration	Bi-annually
Lifetime	12 months

Applications

- ▶ Controlled Atmosphere storage facility management
- ▶ Ethylene mitigation verification
- ▶ Packing house inspection
- ▶ Precision citrus degreening
- ▶ Storage assignment in distribution centers
- ▶ Modified Atmosphere Packaging quality assurance