



F-960

Ripen It! Gas Analyzer

The F-960 Ripen It! Gas Analyzer **rapidly** measures ethylene, CO₂, and O₂ to assist with decision making throughout the **produce ripening** process.

ETHYLENE

CO₂

O₂

Fast, accurate & cost-effective
ripening analysis

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
- ▶ Wi-Fi capabilities
- ▶ Display easily viewed in dimly lit environments
- ▶ PolarCept!™ water filter for removing non-ethylene hydrocarbons



■ F-960 Specifications

Air sampling rate	70 mL/min
Measuring rate	Open or closed loop, 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 Wi-Fi SD card
Data recorded with each measurement	Ethylene, CO ₂ and O ₂ concentrations, date, time, RH, GPS location
C ₂ H ₄ SENSOR	
Sensor type	Electrochemical
Range	0-500ppm
Resolution	1ppm
Accuracy	±5% of measuring value
Lower detection limit	10ppm
Offset recalibration	Daily
Span recalibration	3 months
Lifetime	12 months
CO ₂ 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



O ₂ 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

- ▶ Banana ripening quality assurance
- ▶ Optimization of ripening storage atmosphere conditions
- ▶ Bagged and packaged ripening system inspection
- ▶ Storage assignment in distribution centers
- ▶ Ripening room leak inspection



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