



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

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

■ F-960 Specifications

Sampling flow rate	70mL / min	Operating environment	0° C - 50° C
Total Sampling Time	90 seconds	Weight	0.95 kg
Data saving	Automated (1 sec)	Enclosure	Powder coated aluminum
Display	Sunlight Visible LCD	Power source	Rechargeable Battery (Li-ION)
Dimensions	18 cm x 13.5 cm x 5.5 cm	PC interface	USB, WIFI, SD card, Bluetooth
Battery Life	8.5 hours	Operating Pressure	500-1200mbar
Data recorded	Ethylene, CO2, O2 concentrations, date, time, RH, GPS location		

Headspace Sampling

	C ₂ H ₄	CO ₂	O ₂
Sensor Type:	Electrochemical	Infrared Sensor, Pyroelectric detector	Electrochemical
Range:	0-1000 ppm	0-100%	0-100%
Resolution:	1 ppm	0.01%	0.10%
Lower Detection Limit:	10 ppm	0.50%	0.30%
Sampling Volume:	35 ml	12 ml	12 ml
Response Time:	35 seconds	12 seconds	12 seconds
Accuracy (absolute):	10 ppm	0.50%	0.30%
Accuracy (relative):	5%	3%	2%
Offset Calibration:	Weekly	Weekly	Weekly
Span Calibration:	3 months	12 months	6 months
User Replaceable Sensor:	yes	no	yes
Lifetime:	1 year	5 years	2 years

Continuous Sampling

	C ₂ H ₄	CO ₂	O ₂
Sensor Type:	Electrochemical	Infrared Sensor, Pyroelectric detector	Electrochemical
Range:	0-1000 ppm	0-100%	0-100%
Resolution:	1 ppm	0.01%	0.10%
Lower Detection Limit:	2 ppm	0.01%	0.10%
Response Time:	90 seconds	6 seconds	12 seconds
Accuracy (absolute):	2 ppm	0.01%	0.10%
Accuracy (relative):	5%	3%	2%
Offset Calibration:	Weekly	Weekly	Weekly
Span Calibration:	3 months	12 months	6 months
User Replaceable Sensor:	yes	no	yes
Lifetime:	1 year	5 years	2 years



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