



The F-950 Three Gas Analyzer measures levels of Ethylene, CO_2 and O_2 to maintain optimal produce quality at every phase of the supply chain. The F-950's versatile design allows it to be scaled to many environments, from cold storage 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. The F-950 is ideal for measuring ethylene production across a wide range of fruit types.

Features



- Measures C₂H₄, CO₂ and O₂
- Displays results in under 30 seconds
- Past records stored on the device
- Handheld and lightweight
- Internal data logging and storage (4GB SD card)
- Bluetooth data transfer
- Battery lasts for 8+ hours
- Display easily viewed in dimly lit environments
- PolarCept!™ water filter for removing non-ethylene hydrocarbons

Uses

- Controlled Atmosphere storage facility management
- Ethylene mitigation verification
- Packing house inspection
- Precision citrus degreening
- Storage assignment in distribution centers
- Headspace sampling for Modified Atmosphere Packaging (MAP) quality assurance





BİLMAR BİLİMSEL ARAŞTIRMA VE MÜHENDİSLİK ANONİM ŞİRKETİ

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Specifications

Sampling Flow Rate:	70mL/min		
Total Sampling Time:	80 seconds		
Data Saving:	Automated, 1 second intervals		
Display:	Sunlight visible transflective LCD		
Operating Environment:	0°C - 50° C (0-90 % humidity non-condensing)		
Operating Atmospheric Pressure:	500-1200mbar		
Dimensions:	18 cm x 13.5 cm x 5.5 cm		
Weight:	0.95 kg		
Enclosure:	Powder coated aluminum		
Battery Life:	8.5 hours		
Power Source:	Removable rechargeable lithium-ion battery		
PC Interface:	USB and WI-FI SD card + Bluetooth		
Data Recorded with Each Measurement:	Ethylene, CO2 and O2 concentrations, date, time, RH, GPS location		

Trigger Mode Measurements

	C ₂ H ₄	CO ₂	O 2
Sensor Type:	Electrochemical	IR Sensor, Pyroelectric detector	Electrochemical
Range:	0-200ppm	0-100%	0-100%
Resolution:	0.1ppm	0.01%	0.10%
Lower Detection Limit:	0.15ppm	0.50%	0.30%
Sampling Volume:	30 ml	12 ml	12 ml
Response Time:	35 seconds	12 seconds	12 seconds
Accuracy (absolute):	0.15 ppm	0.50%	0.30%
Accuracy (relative):	5%	3%	2%
Offset Calibration:	Weekly	Weekly	Weekly
Span Calibration:	3 months	12 months	6 months
Sensor Replaceable (by user):	yes	no	yes
Lifetime:	2 years	5 years	2 years

Continuous Mode Measurements

	C ₂ H ₄	CO ₂	O 2
Sensor Type:	Electrochemical	IR Sensor, Pyroelectric detector	Electrochemical
Range:	0-200 ppm	0-100%	0-100%
Resolution:	0.1 ppm	0.01%	0.10%
Lower Detection Limit:	0.2 ppm	0.01%	0.10%
Response Time:	80 seconds	6 seconds	12 seconds
Accuracy (absolute):	0.2 ppm	0.01%	0.10%
Accuracy (relative):	5%	3%	2%
Offset Calibration:	Weekly	Weekly	Weekly
Span Calibration:	3 months	12 months	6 months
Sensor Replaceable (by user):	yes	no	yes
Lifetime:	2 years	5 years	2 years



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