



## F-950

### Three Gas Analyzer

To achieve ideal conditions in any environment, the F-950 measures **critical ripening gases** to maintain optimal **produce quality** at every phase.

ETHYLENE

CO<sub>2</sub>

O<sub>2</sub>

Fast, accurate  
& cost-efficient analysis

## Product Features

- ▶ Measures C<sub>2</sub>H<sub>4</sub>, CO<sub>2</sub> and O<sub>2</sub>
- ▶ 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
- ▶ The F-950 supports English, Spanish, and Portuguese on the instrument display.

## Applications

- ▶ Controlled Atmosphere storage facility management
- ▶ Verification of ethylene mitigation systems
- ▶ Packing house inspection
- ▶ Precision citrus degreening
- ▶ Storage assignment in distribution centers
- ▶ Modified Atmosphere Packaging quality assurance

## ■ F-950 Specifications

Sampling flow rate	70mL / min	Operating environment	0° C - 50° C
Total Sampling Time	80 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, CO <sub>2</sub> , O <sub>2</sub> concentrations, date, time, RH, GPS location		

### Headspace Sampling

	C <sub>2</sub> H <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>
Sensor Type:	Electrochemical	Infrared Sensor, Pyroelectric detector	Electrochemical
Range:	0-200 ppm	0-100%	0-100%
Resolution:	0.1 ppm	0.01%	0.10%
Lower Detection Limit:	0.15 ppm	0.50%	0.30%
Sampling Volume:	35 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
User Replaceable Sensor:	yes	no	yes
Lifetime:	1 year	5 years	2 years

### Continuous Sampling

	C <sub>2</sub> H <sub>4</sub>	CO <sub>2</sub>	O <sub>2</sub>
Sensor Type:	Electrochemical	Infrared 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
User Replaceable Sensor:	yes	no	yes
Lifetime:	1 year	5 years	2 years



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