



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

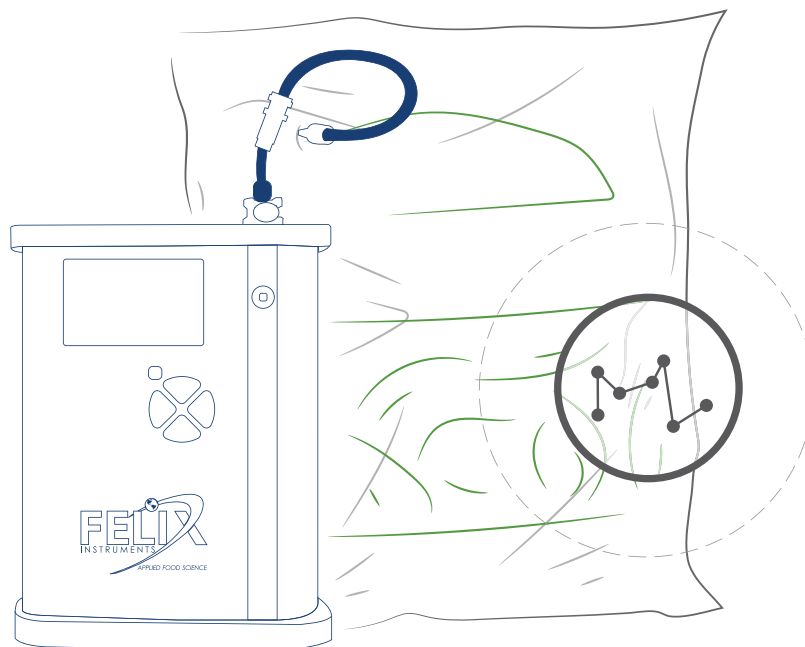
CO₂

O₂

Fast, accurate
& cost-efficient 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
- ▶ The F-950 supports English, Spanish, and Portuguese on the instrument display.



■ F-950 Specifications

Air sampling rate	70 mL/min
Data saving	Automated; 1 second intervals
Display	Sunlight visible transreflective 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 PPM SENSOR	
Sensor type	Electrochemical
Range	0-200ppmv
Resolution	0.1ppmv
Accuracy	5% ± 0.5 PPM
Lower detection limit	0.5ppm (500ppb)
Offset recalibration	Daily
Span recalibration	6 months
CO ₂ PCT SENSOR	
Sensor type	Infrared sensor, pyroelectric detector
Range	0-20%*
Resolution	0.1%
Accuracy	5%
Offset recalibration	6 months
Span recalibration	6 months

*Custom range for 0-100% available upon request (custom calibration of sensor needed)



O ₂ SENSOR	
Sensor type	Electrochemical
Range	0-100%
Resolution	0.1%
Accuracy	5%
Offset recalibration	6 months
Span recalibration	6 months

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



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