



## F-940

### Store It! Gas Analyzer

The F-940 Store It! Gas Analyzer makes it easy for Quality Assurance managers to **increase shelf-life** and **prevent spoilage** by monitoring ripening gases throughout the storage process.

ETHYLENE

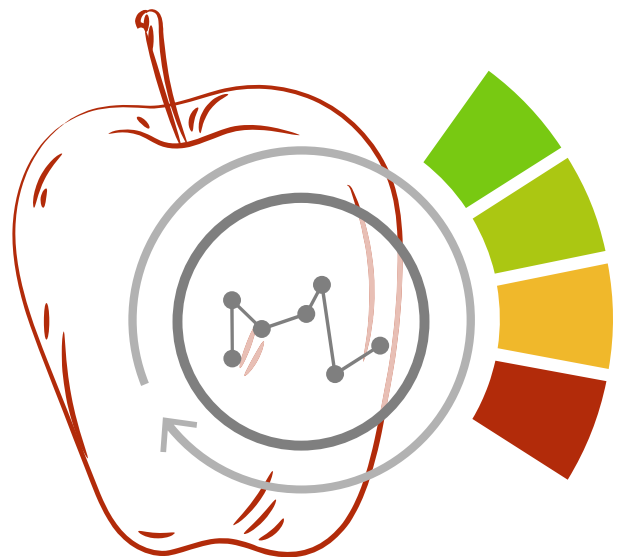
CO<sub>2</sub>

O<sub>2</sub>

Maintain storage  
to optimize quality!

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



## ■ F-940 Specifications

<b>Air sampling rate</b>	70 mL/min
<b>Data saving</b>	Automated, 1 second intervals
<b>Display</b>	Sunlight visible transfective LCD
<b>Operating environment</b>	0°C - 45°C (0-90% humidity non-condensing)
<b>Dimensions</b>	18cm x 13.5cm x 5.5cm
<b>Weight</b>	0.95kg
<b>Enclosure</b>	Powder coated aluminum
<b>Power source</b>	Removable rechargeable lithium-ion battery
<b>PC interface</b>	USB and Wi-Fi SD card, Bluetooth
<b>Data recorded with each measurement</b>	Ethylene, CO <sub>2</sub> and O <sub>2</sub> concentrations, date, time, RH, GPS location
C <sub>2</sub> H <sub>4</sub> SENSOR	
<b>Sensor type</b>	Electrochemical
<b>Range</b>	0-10ppm
<b>Resolution</b>	0.1ppm
<b>Accuracy</b>	+/-2% relative +/-0.15 ppm absolute
<b>Lower detection limit</b>	0.1ppm
<b>Offset recalibration</b>	Daily
<b>Span recalibration</b>	3 months
<b>Lifetime</b>	12 months
CO <sub>2</sub> SENSOR	
<b>Sensor type</b>	Infrared sensor, pyroelectric detector
<b>Range</b>	0-100%
<b>Resolution</b>	0.01%
<b>Accuracy</b>	+/- 3% relative +/-1% absolute
<b>Sampling time</b>	10 seconds
<b>Calibration</b>	Annually
<b>Lifetime</b>	>5 years



O <sub>2</sub> SENSOR	
<b>Sensor type</b>	Electrochemical
<b>Range</b>	0-100%
<b>Resolution</b>	0.1%
<b>Accuracy</b>	+/-2% relative +/-0.25% absolute
<b>Sampling time</b>	10 seconds
<b>Calibration</b>	Bi-annually
<b>Lifetime</b>	12 months

## Applications

- ▶ Controlled Atmosphere storage facility management
- ▶ Ethylene mitigation verification

**Lombard & Marozzini**

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