



The F-940 Store It! Gas Analyzer provides rapid and precise measurements of ethylene, CO₂ and O₂. The Store It! was designed for Quality Assurance staff to increase shelf-life and prevent spoilage by monitoring ripening gases throughout the storage process.

The Store It! features an intuitive user interface, making it simple to operate right out of the box. Its lightweight, handheld design enables users to rely on the Store It! at all stages of storage along the supply chain. A built-in data logger stores thousands of data points and conveniently communicates data through USB or Bluetooth onto a PC or tablet for later analysis.

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
- Packaging quality assurance



Specifications

Sampling Flow Rate:	70mL/min
Total Sampling Time:	30 seconds
Data Saving:	Automated, 1 second intervals
Display:	Backlit visible transfective 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

	C₂H₄	CO₂	O₂
Sensor Type:	Electrochemical	IR Sensor, Pyroelectric detector	Electrochemical
Range:	0-10ppm	0-100%	0-100%
Resolution:	0.01ppm	0.01%	0.10%
Lower Detection Limit:	0.15ppm	0.50%	0.30%
Sampling Volume:	30 ml	12 ml	12 ml
Response Time:	30 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

	C₂H₄	CO₂	O₂
Sensor Type:	Electrochemical	IR Sensor, Pyroelectric detector	Electrochemical
Range:	0-10 ppm	0-100%	0-100%
Resolution:	0.010 ppm	0.01%	0.10%
Lower Detection Limit:	0.030 ppm	0.01%	0.10%
Response Time:	70 seconds	6 seconds	12 seconds
Accuracy (absolute):	0.030 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