



## F-920

### Check It! Gas Analyzer

The F-920 Check It! Gas Analyzer is a handheld device that measures headspace gas rapidly and reliably. Perfect for use in Modified Atmosphere Packaging (MAP) applications, quality control managers can easily take measurements with the F-920 straight out of the box, with little to no training. The lightweight, handheld package enables the user to take measurements virtually anywhere in the supply chain from the packing house to the retail shelf. The 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.

CO<sub>2</sub>

O<sub>2</sub>

## Product Features

- ▶ Measures CO<sub>2</sub> and O<sub>2</sub> from 0-100%
- ▶ Displays results in under 6 seconds
- ▶ Previous records available for review on device
- ▶ Handheld and lightweight
- ▶ Battery lasts for 8+ hours
- ▶ Display easily viewed in dimly lit environment
- ▶ Functional across broad temperature and humidity range
- ▶ Bluetooth enabled for rapid data transfer
- ▶ Wi-Fi capabilities

## Applications

- ▶ Modified Atmosphere Packaging quality assurance in:
  - Packing lines
  - Laboratories
  - Import/export surveys
  - Distribution centers
  - Retail centers
- ▶ Ambient measurements
- ▶ Inspection of:
  - Storage facilities
  - Ripening rooms
  - Shipping containers

# F-920 Specifications

<b>Sampling flow rate</b>	70mL / min	<b>Operating environment</b>	0° C - 50° C
<b>Total Sampling Time</b>	10 seconds	<b>Weight</b>	0.95 kg
<b>Data saving</b>	Automated (1 sec)	<b>Enclosure</b>	Powder coated aluminum
<b>Display</b>	Sunlight Visible LCD	<b>Power source</b>	Rechargeable Battery (Li-ION)
<b>Dimensions</b>	18 cm x 13.5 cm x 5.5 cm	<b>PC interface</b>	USB, WIFI, SD card, Bluetooth
<b>Battery Life</b>	8.5 hours	<b>Operating Pressure</b>	500-1200mbar
<b>Data recorded</b>	CO2, O2 concentrations, date, time, RH, GPS location		

## Headspace Sampling

	CO <sub>2</sub>	O <sub>2</sub>
<b>Sensor Type:</b>	Infrared Sensor, Pyroelectric detector	Electrochemical
<b>Range:</b>	0-100%	0-100%
<b>Resolution:</b>	0.01%	0.10%
<b>Lower Detection Limit:</b>	0.50%	0.30%
<b>Sampling Volume:</b>	10 ml	10 ml
<b>Response Time:</b>	10 seconds	10 seconds
<b>Accuracy (absolute):</b>	0.50%	0.30%
<b>Accuracy (relative):</b>	3%	2%
<b>Offset Calibration:</b>	Weekly	Weekly
<b>Span Calibration:</b>	12 months	6 months
<b>User Replaceable Sensor:</b>	no	yes
<b>Lifetime:</b>	5 years	2 years

## Continuous Sampling

	CO <sub>2</sub>	O <sub>2</sub>
<b>Sensor Type:</b>	Infrared Sensor, Pyroelectric detector	Electrochemical
<b>Range:</b>	0-100%	0-100%
<b>Resolution:</b>	0.01%	0.10%
<b>Lower Detection Limit:</b>	0.01%	0.10%
<b>Response Time:</b>	10 seconds	5 seconds
<b>Accuracy (absolute):</b>	0.01%	0.10%
<b>Accuracy (relative):</b>	3%	2%
<b>Offset Calibration:</b>	Weekly	Weekly
<b>Span Calibration:</b>	12 months	6 months
<b>User Replaceable Sensor:</b>	no	yes
<b>Lifetime:</b>	5 years	2 years

## F-920 'Check It!' Gas Analyzer in action



Designed for QA personnel to take precise and speedy measurements of CO<sub>2</sub> and O<sub>2</sub>, the Check It! displays results in less than 10 seconds and has a sampling volume of 10 mL.