



## 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

**Precise measurements  
for optimal quality!**



## ■ F-920 Specifications

<b>Air sampling rate</b>	70 mL/min
<b>Typical sampling volume</b>	6.5 mL
<b>Data saving</b>	Automated, 1 second intervals
<b>Display</b>	Sunlight visible transreflective LCD
<b>Operating environment</b>	0°C - 45°C (0-90% relative 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 SD card
<b>Data recorded with each measurement</b>	CO <sub>2</sub> and O <sub>2</sub> concentrations, date, time, RH, GPS location
<b>CO<sub>2</sub> SENSOR</b>	
<b>Sensor type</b>	Infrared sensor, pyroelectric detector
<b>Range</b>	0-100%
<b>Resolution</b>	0.01% absolute
<b>Accuracy</b>	±1% absolute and ±3% of measured value
<b>Sampling time</b>	6 seconds
<b>Calibration</b>	Annually
<b>Lifetime</b>	>5 years
<b>O<sub>2</sub> SENSOR</b>	
<b>Sensor type</b>	Electrochemical
<b>Range</b>	0-100%
<b>Resolution</b>	0.1% absolute
<b>Accuracy</b>	±0.25% absolute and ±2% of measured value
<b>Sampling time</b>	6 seconds
<b>Calibration</b>	Bi-annually
<b>Lifetime</b>	12 months



## 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