



The F-920 Check It! Gas Analyzer is a device that rapidly measures CO₂ and O₂ from 0-100%. Designed for QA personnel to take precise and speedy measurements of CO₂ and O₂, the Check It! displays results in less than 6 seconds and has a sampling volume of 6.5 mL.

The Check It! CO₂ / O₂ gas analyzer features an intuitive user interface, and lightweight design, which makes it easy for quality control managers to take measurements straight out of the box, and virtually anywhere in 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 CO₂ and O₂ from 0-100%
- Displays results in under 6 seconds
- Previous records available for review on device
- Handheld and lightweight
- Internal data logging and storage (4GB SD card)
- Battery lasts for 8+ hours
- Backlit display easily viewed in dimly lit environment
- Functional across broad temperature and humidity range
- Bluetooth enabled for rapid data transfer

Uses

- **Ambient measurements and Inspection of:**
 - Storage facilities
 - Ripening rooms
 - Shipping containers
- **Headspace Sampling of Modified Atmosphere Packaging for:**
 - Packing lines
 - Laboratories
 - Import/export surveys
 - Distribution centers
 - Retail centers

Specifications

Sampling Flow Rate:	70mL/min
Total Sampling Time:	10 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:	CO2 and O2 concentrations, date, time, RH, GPS location

Trigger Mode Measurements

	CO2	O2
Sensor Type:	IR Sensor, Pyroelectric detector	Electrochemical
Range:	0-100%	0-100%
Resolution:	0.01%	0.10%
Lower Detection Limit:	0.50%	0.30%
Sampling Volume:	10 ml	10 ml
Response Time:	10 seconds	10 seconds
Accuracy (absolute):	0.50%	0.30%
Accuracy (relative):	3%	2%
Offset Calibration:	Weekly	Weekly
Span Calibration:	12 months	6 months
Sensor Replaceable (by user):	no	yes
Lifetime:	>5 years	2 years

Continuous Mode Measurements

	CO2	O2
Sensor Type:	IR Sensor, Pyroelectric detector	Electrochemical
Range:	0-100%	0-100%
Resolution:	0.01%	0.10%
Lower Detection Limit:	0.01%	0.10%
Response Time:	10 seconds	5 seconds
Accuracy (absolute):	0.01%	0.10%
Accuracy (relative):	3%	2%
Offset Calibration:	Weekly	Weekly
Span Calibration:	12 months	6 months
Sensor Replaceable (by user):	no	yes
Lifetime:	5 years	2 years