

CHECK IT!

GAS ANALYZER

CO₂

O₂

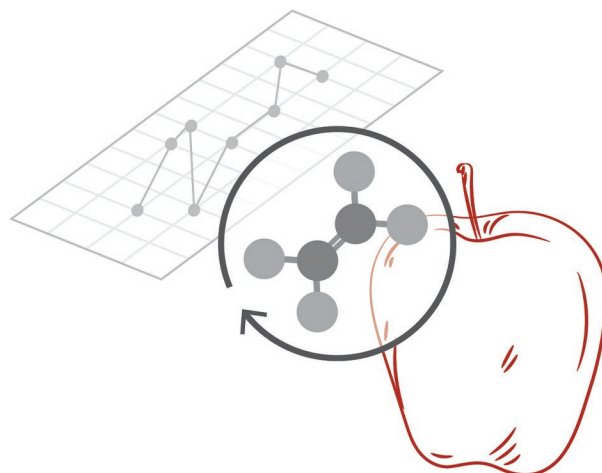
- Rapid, real-time measurement of CO₂ and O₂ concentrations.
- All-day, 8+ hour battery life.
- Portable, light-weight design.

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 SD card onto a PC or tablet for later analysis.

KEY APPLICATIONS

- **Modified Atmosphere Packaging QA**
in packing lines, laboratories, import/export surveys, distribution centers, and retail centers.
- **Ambient measurement**
of CO₂ and O₂ in controlled atmosphere (CA) storage settings.
- **Optimization of storage conditions**
in packing houses, ripening rooms and shipping containers.



SPECIFICATIONS

Sampling flow rate.....	70mL / min
Total sampling time.....	10 seconds
Data saving.....	Automated (1 sec)
Display.....	Backlit visible transfective LCD
Dimensions.....	18 cm x 13.5 cm x 5.5 cm
Battery life.....	8.5 hours
Data recorded.....	CO ₂ , O ₂ concentrations, date, time RH, GPS location
Operating environment.....	0° C - 50° C
Weight.....	0.95 kg
Enclosure.....	Powder-coated aluminum
Power source.....	Rechargeable battery (Li-ION)
PC Interface.....	USB and SD card,
Operating pressure.....	500 - 1200 mbar

HEADSPACE SAMPLING

CO₂ Sensor

Range.....	0-100%
Resolution.....	0.01%
Lower detection limit.....	0.5%
Sampling volume.....	10 ml
Response time.....	10 seconds
Accuracy (absolute).....	0.5%
Accuracy (relative).....	3%
Offset calibration.....	Weekly
Span calibration.....	12 months
User replacement.....	No
Lifetime.....	15+ years
Sensor type.....	Infrared sensor, pyroelectric detector

O₂ Sensor

Range.....	0-100%
Resolution.....	0.1%
Lower detection limit.....	0.3%
Sampling volume.....	10 ml
Response time.....	10 seconds
Accuracy (absolute).....	0.3%
Accuracy (relative).....	2%
Offset calibration.....	Weekly
Span calibration.....	6 months
User replacement.....	Yes
Lifetime.....	2 years
Sensor type.....	Electrochemical

CONTINUOUS SAMPLING

CO₂ Sensor

Range.....	0-100%
Resolution.....	0.01%
Lower detection limit.....	0.01%
Response time.....	10 seconds
Accuracy (absolute).....	0.01%
Accuracy (relative).....	3%
Offset calibration.....	Weekly
Span calibration.....	12 months
User replacement.....	No
Lifetime.....	15+ years
Sensor type.....	Infrared sensor, pyroelectric detector

O₂ Sensor

Range.....	0-100%
Resolution.....	0.1%
Lower detection limit.....	0.1%
Response time.....	5 seconds
Accuracy (absolute).....	0.1%
Accuracy (relative).....	2%
Offset calibration.....	Weekly
Span calibration.....	6 months
User replacement.....	Yes
Lifetime.....	2 years
Sensor type.....	Electrochemical

