



## F-950

### Three Gas Analyzer

To achieve ideal conditions in any environment, the F-950 measures **critical ripening gases** to maintain optimal **produce quality** at every phase.

ETHYLENE

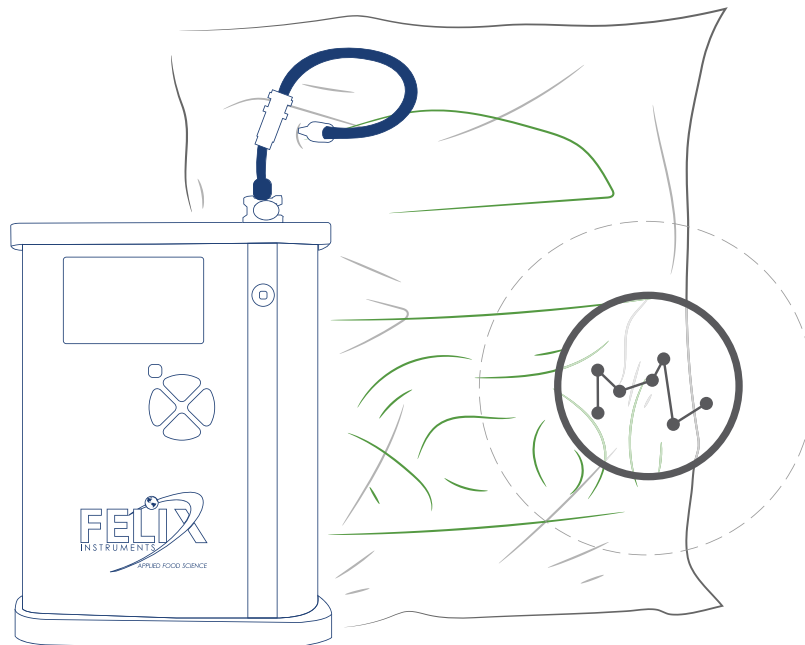
CO<sub>2</sub>

O<sub>2</sub>

Fast, accurate  
& cost-efficient analysis

## Product Features

- ▶ Measures C<sub>2</sub>H<sub>4</sub>, CO<sub>2</sub> and O<sub>2</sub>
- ▶ Displays results in under 30 seconds
- ▶ Past records stored on the device
- ▶ Handheld and lightweight
- ▶ Battery lasts for 8+ hours
- ▶ Display easily viewed in dimly lit environments
- ▶ PolarCept!™ water filter for removing non-ethylene hydrocarbons



## F-950 Specifications

| <b>Air sampling rate</b>                   | 70 mL/min   |
|--|---|
| <b>Data saving</b>                         | Automated; 1 second intervals   |
| <b>Display</b>                             | Sunlight visible transfective LCD   |
| <b>Operating environment</b>               | 0°C - 45°C (0-90% 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> | Ethylene, CO <sub>2</sub> and O <sub>2</sub> concentrations, date, time, RH, GPS location |
| C <sub>2</sub> H <sub>4</sub> SENSOR       |   |
| <b>Sensor type</b>                         | Electrochemical   |
| <b>Range</b>                               | 0-200ppmv   |
| <b>Resolution</b>                          | 0.1ppmv   |
| <b>Accuracy</b>                            | ±5% of measuring value  |
| <b>Lower detection limit</b>               | 0.5ppm (500ppb)   |
| <b>Offset recalibration</b>                | Bi-annually   |
| <b>Span recalibration</b>                  | Bi-annually   |
| CO <sub>2</sub> SENSOR                     |   |
| <b>Sensor type</b>                         | Infrared sensor, pyroelectric detector  |
| <b>Range</b>                               | 0-100%  |
| <b>Resolution</b>                          | 0.1%  |



| CO <sub>2</sub> SENSOR (CONTINUED) |                        |
|------------------------------------|------------------------|
| <b>Accuracy</b>                    | ±5% of measuring value |
| O <sub>2</sub> SENSOR              |                        |
| <b>Sensor type</b>                 | Electrochemical        |
| <b>Range</b>                       | 0-100%                 |
| <b>Resolution</b>                  | 0.1%                   |
| <b>Accuracy</b>                    | ±5% of measuring value |

## Applications

- ▶ Controlled Atmosphere storage facility management
- ▶ Verification of ethylene mitigation systems
- ▶ Packing house inspection
- ▶ Precision citrus degreening
- ▶ Storage assignment in distribution centers
- ▶ Modified Atmosphere Packaging quality assurance



[www.felixinstruments.com](http://www.felixinstruments.com)  
[sales@felixinstruments.com](mailto:sales@felixinstruments.com)

Phone: +1 (360) 833-8835  
 Toll Free: 1-800-767-0119  
 Fax: +1 (360) 833-1914