

Product data sheet

## GPX1500 Film Food

Headspace gas analyzer for non-destructive measurements in transparent packages like bags, pouches and trays.



### Benefits

- Non-destructive MAP testing
- Reliable gas sensing
- O<sub>2</sub> or CO<sub>2</sub> measurements
- High or residual O<sub>2</sub> measurements
- User-friendly touch screen
- Parameter free
- Completely eye safe

Non-destructive at-line, storage or laboratory quality testing. GPX1500 Film Food allows quick and easy testing of transparent food packages. The result is presented immediately on the screen and logged internally. The non-destructive measurement lets you return the samples to the production line with no waste. Several types of transparent packages are supported, including sealed trays, thermoforms, bags, flow wraps, and many others. Both O<sub>2</sub> and CO<sub>2</sub> analyzers are available.

The package is placed manually on the instruments. The operator is lowering down the test head to touch the film. By pressing the measure button, the film is formed to access the headspace with the laser and the headspace oxygen content of the package is measured. The gas concentration is displayed on the touchscreen.

- Instant spot-checks at-line
- Long-term studies on packages
- Test shelf life in storage



### Instrument specifications

|                      |  |
|----------------------|--|
| Gas:                 | O <sub>2</sub> – CO <sub>2</sub>   |
| Measuring technique: | TDLAS  |
| Measurement range:   | 0-100% O <sub>2</sub> - CO <sub>2</sub>  |
| Measurement time:    | Adjustable, typically 4 seconds  |
| Resolution:          | ± 0.1% O <sub>2</sub> (±0.1% CO <sub>2</sub> )                                     |
| Typical precision:   | ± 0.2% O <sub>2</sub> (±1% CO <sub>2</sub> )                                       |
| Startup time:        | <1 minute  |
| Approvals:           | CE-marked according to:<br>- EMC 2014/30/EU,<br>- Low Voltage Directive 2014/35/EU |
| Temperature:         | 15-30 degrees Celsius  |
| Pressure:            | Ambient pressure   |
| Interfaces:          | Touch screen HMI, USB, Ethernet, Service ethernet                                  |
| Housing:             | Aluminum   |
| Weight:              | Approximately 8 kg   |
| Dimensions (HxWxD):  | 210 x 380 x 265 mm   |
| Power:               | Primary: 100-240 V AC, 50 W, 50 /60 Hz   |
| Laser Class:         | Class 1  |

### Application specifications

|                            |  |
|----------------------------|--|
| Headspace volume:          | >10 ml   |
| Required transparent area: | >10x30 mm  |
| Supported package type:    | Sealed trays, thermoforms, bags, flow wraps, pouches                         |
| Film type:                 | Flexible and transparent, one flexible film side required                    |
| Content:                   | Wide product range, ex: salads, meat, cheese, ham, tortilla, pasta and more. |
| Calibration:               | No product specific calibration required                                     |

