Product data sheet

GPX1500 Film Food

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

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_2 and CO_2 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

Benefits
- Non-destructive MAP testing
- Reliable gas sensing
- O_2 or CO_2 measurements
- High or residual O_2 measurements
- User-friendly touch screen
- Parameter free
- Completely eye safe

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

Instrument specifications

Gas:	$O_2 - CO_2$
Measuring technique:	TDLAS
Measurement range:	0 -1 00% O_2 - CO_2
Measurement time:	Adjustable, typically 4 seconds
Resolution:	± 0,1% O_2 (±0.1% CO_2)
Typical precision:	± 0.2% O_2 (±1% CO_2)
Startup time:	< 1 minute
Approvals:	CE-marked according to: - EMC 2014/30/EU, - Low Voltage Directive 2014/35/EU
Pressure:	Ambient pressure
Interfaces:	Touch screen HMI, USB, Ethernet, Service ethernet
Housing:	Aluminum
Weight:	8kg
Dimensions (HxWxD):	310 mm x 390 mm x 265 mm Height 365 mm for High Arm
Power:	100 – 240V, 50W, 50 – 60Hz AC 18 – 30V DC
Laser Class:	Class 1, 760 nm wavelength, <2,5 mW
Height versions:	75 mm (for packages up to 75 mm height) 135 mm (for packages up to 135 mm height)