Product data sheet

GPX1500 Film Pharma O_2

Headspace gas analyzer for non-destructive measurements in transparent IV bags and pharmaceutical pouches.

Non-destructive at-line, storage or laboratory quality testing.
GPX1500 Film Pharma allows quick and easy testing of IV bags and pharmaceutical pouches. It can measure both primary and secondary bags. 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.

The bag 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 bag is measured. The testing time is below 10 seconds. This also allows to do a high sampling frequency, without the loss of any products. The oxygen concentration is displayed on the touchscreen.

Benefits

- Easy to operate
- Accurate
- GMP compliant
- Reliable oxygen sensing
- Non-destructive testing
- Possible to measure small headspace
- User-friendly touch screen
- Parameter free
- Calibration free
- Completely eye safe

The laser light measures in the headspace of the bag

Instrument specifications

Gas:	O_2
Measuring technique:	HSA/TDLAS
Measurement range:	0-100% O_2
Measurement time:	4 seconds
Resolution:	± 0.1% O_2
Typical precision:	± 0.2% O_2
Startup time:	<1 minute
Approvals:	CE-marked according to: - EMC 2014/30/EU, - Low Voltage Directive 2014/35/EU
Temperature:	15-30 degrees Celsius
Pressure:	Ambient pressure
Interfaces:	Touch screen HMI, USB, Service ethernet
Housing:	Aluminum
Weight:	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

Applications and Containers

Applications	• Instant spot-checks at-line • Oxygen diffusion studies • Shelf-life oxygen studies
Container types:	Flexible film bags & pouches, including primary and secondary bags as well as multi-chamber bags
Headspace volume:	> 3 ml
Required transparent area:	> 10 x 30 mm
Bag volume:	100 – 5000 ml
Content:	Oily, milky, transparent liquids
Calibration:	No product specific calibration required

Example
Measurement of a primary bag through the already present secondary bag