



GPX1500

Headspace gas analyser for non-intrusive measurements in transparent packages.

Non-destructive at-line, storage or laboratory quality testing. GPX1500 allows quick and easy testing of 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 raps, and many others.

The sample is placed under the adjustable measurement head, which is positioned so that there is no air between the sensor and the package. An infrared light beam is reflected against the bottom surface inside the package, probing the gas inside and providing instant result. The laser light is completely eye safe.

Benefits

- Reliable oxygen sensing
- Non-intrusive MAP testing
- Instant spot-checks at-line
- Long-term studies on packages
- Test shelf life in storage
- User-friendly touch screen
- Completely eye safe



Specifications

Gas:	O ₂	Headspace thickness:	30 - 80 mm
Measuring technique:	Tunable Diode Laser Absorption Spectroscopy (TDLAS)	Temperature:	+ 5°C to + 40°C
Infrared laser:	Class 1 according to IEC 60825-1 760 nm wavelength, < 0.5 mW optical power	Calibration:	Every 12 months, depending on usage
Measurement range:	0,1 - 100 %	Interfaces:	USB, Ethernet
Measurement time:	Min 0.5 s, typical 4 s	Housing:	Metal housing
Resolution:	0.1 %	Weight:	Approx. 8 kg
Typical accuracy:	± 0.1 % depending on sample and measurement time	Dimensions (HxWxD):	210 x 380 x 265 mm ³
Startup time:	< 1 min	Voltage:	100-240 V AC, 50 W, 50 / 60 Hz
Approvals:	CE-marked according to: - EMC 2014/30/EU, - Low Voltage Directive 2014/35/EU	Accessory:	Protective transport case