ECHO HandO$_2$

MANUAL SYSTEM FOR OXYGEN ANALYSIS IN BLISTER PACKS

HandO$_2$ is used for determination of headspace and dissolved oxygen content in packages. Micro-invasive measurements are enabled by sensor tips smaller than 140 µm. Main application is packaging quality control in pharmaceutical and beverage industry, i.e. measuring oxygen concentration in blister packs, vials, tubes, and other modified atmosphere packaging technology.

ABOUT THE SENSOR

Chemical-optical oxygen sensor is designed for all research and packaging applications where a small tip size (<140 µm) and fast response time (t_{90}<1s) are necessary.
The oxygen micro sensor is mounted in needle-type housing for easy application. The instrument is equipped with specially designed needle holder, which is also used for calibration processes.

ADVANTAGES:

- No need of sample extractions
- High accuracy & precision
- No oxygen consumption during measurement
- Different types of needle for various vials types
- Pharmapack Software with automatic statistic report
- IQ & OQ documentation
- Salinity factor input for different salinity samples in vials
- Suitable for aqueous solutions, ethanol, methanol

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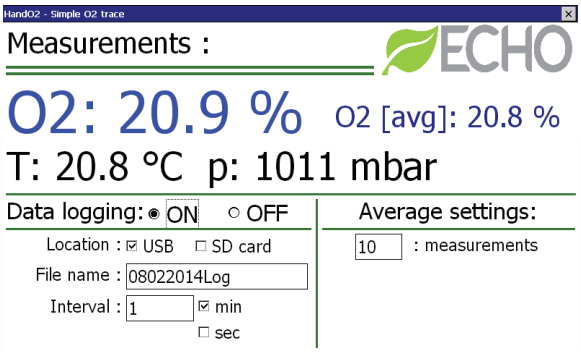
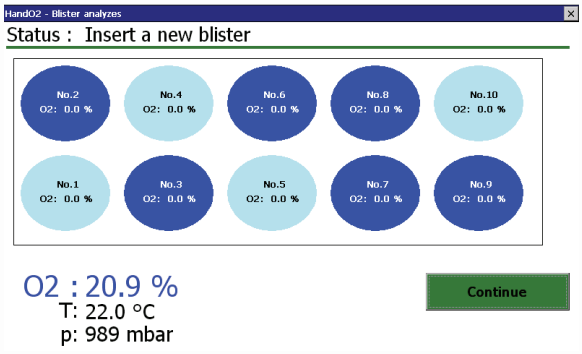
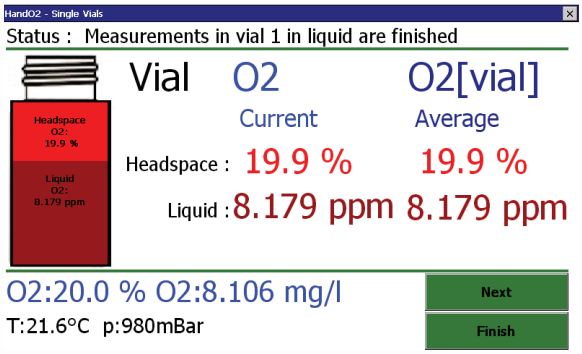
CHARACTERISTICS	TEHNICAL DATA
Measuring principle	Optical sensor
Measuring range	0-50% O_2
Accuracy	+/- 3% rel or +/- 0.05% O_2, which is greater
Response time	(t_{90}) 10s
Limit of detection	0.05% O_2
Operating temperature	5-40°C
Dimensions	180 x 90 x 270 mm
Weight	1 kg
Level of protection	IP 50
Power supply	100V-220V AC/ 50 Hz
Interface	USB, RS485, Ethernet



Measuring screen



Blister measuring touch screen menu



Vials measuring

MANUFACTURER

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