



Food-O₂

Since 1992

Oxygen analysis in headspace, liquid, solid, and powder samples
for food and beverage industry

Measurements in Modified Atmosphere Packaging (MAP)

Laboratory and production line quality control

- No need of sample extractions with pump
- No oxygen consumption during measurement
- Headspace & liquid & powder phase measurements
- High accuracy & precision
- Various needle types for different applications
- Automatic detection of O₂ concentration in sample
- Software with automatic statistic report
- Sterilizable
- IQ & OQ, HACCP



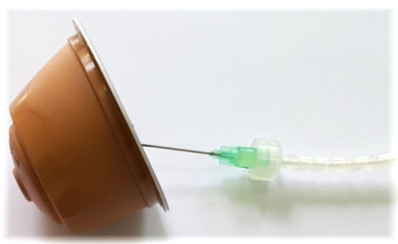
Food - O₂ oxygen analysis in
Modified Atmosphere Packaging

Made in EU

Applications (MAP)



Coffee packaging



Coffee capsules



Various food packaging



www.echoinstruments.eu



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

HandO2 - Simple O2 trace

Measurements : 

O₂: 2.04 % O₂[avg]: 7.96 %

O₂: 0.842 mg/l O₂[avg]: 3.28 mg/l

T: 21.24 °C p: 989 mBar

Data logging: ☐ ON ☒ OFF

Location : ☒ USB ☐ SD card

File name : 28092015Log

Interval : 1 ☐ min ☐ sec

Second units settings:

☐ hPa ☐ Torr ☐ Air saturation %

☒ mg/l ☐ ppm ☐ µmol/l

Average settings:

10 : measurements

Measuring screen

Food-O₂

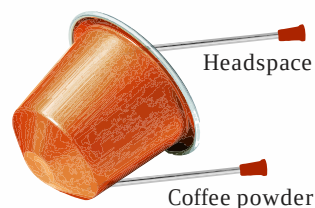
Designed specially for measuring in coffee production

Application Note

Measuring in all types of packaging



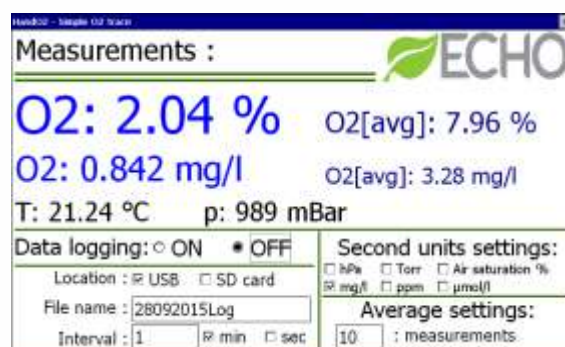
Measuring in coffee capsules



Main advantages

- Various types of measuring needles
- Suitable for laboratory and production line control
- Automatic detection of O₂ concentration in sample
- Compact design and user friendly
- Special software with automatic statistic report

Measurements



Food O₂ measuring screen