

1-CUBE

Hamry 3567, 580 01 Havl. Brod, Czech Rep.

tel + 420 569 433 620 fax + 420 569 422 144

1-cube@1-cube.com

www.1-cube.com

O₂ and CO₂ DIGITAL MEASURING INSTRUMENT

OXI-GMD

Our Digital O₂ and CO₂ Measuring Device has been designed for the determination of O₂ and CO₂ content in beer, saturated beverages and sparkling wine in tanks, fermentation tanks, KEG casks and cylindro-conical fermenters (CO₂ in volume percentage or g/l and O₂ in ppb or ppm).

OXI-GMD is also suitable for dissolved oxygen measurement in packages when used with our sampler/pack piercer ICAS1.



Measurement principle:

Measurement of CO₂ is based on the Henry's law. CO₂ content is calculated from temperature and pressure at equilibrium after mechanical releasing of CO₂ dissolved in solution.

Dissolved O₂ is measured using an optical oxygen sensor. Measurement is not affected by other dissolved gases. Sensor requires low maintenance and calibration.

Technical description:

- Highly accurate determination of dissolved oxygen and CO₂ in beverages
- Proven measurement method using an optical oxygen sensor
- Easy to use
- Fast results
- Frequent calibration of the O₂ measurement is not required
- The data can be securely transferred to a PC using the interface cable

Technical parameters:

range of CO ₂ measurement.....	2.0 - 9.99 g/l, 1.0 - 5.15 % vol
range of O ₂ measurement.....	0 ppb to 10 000 ppb
range of temperature measurement.....	-3°C - +30°C or 26 - 86°F
range of pressure measurement.....	0 - 600 kPa or 0 - 6 bars or 0-87 psi
accuracy of CO ₂ content measurement.....	0.1 g/l or 0.05% vol.
detection limit of O ₂	3 ppb
accuracy of temperature measurement.....	0.1°C or 0.16°F
accuracy of pressure measurement.....	0.5%
memory.....	200 samples of measurement
LCD display.....	4 lines, 20 digits
interface.....	RS485-USB
size.....	280x180x320 mm
weight.....	3.3 kg

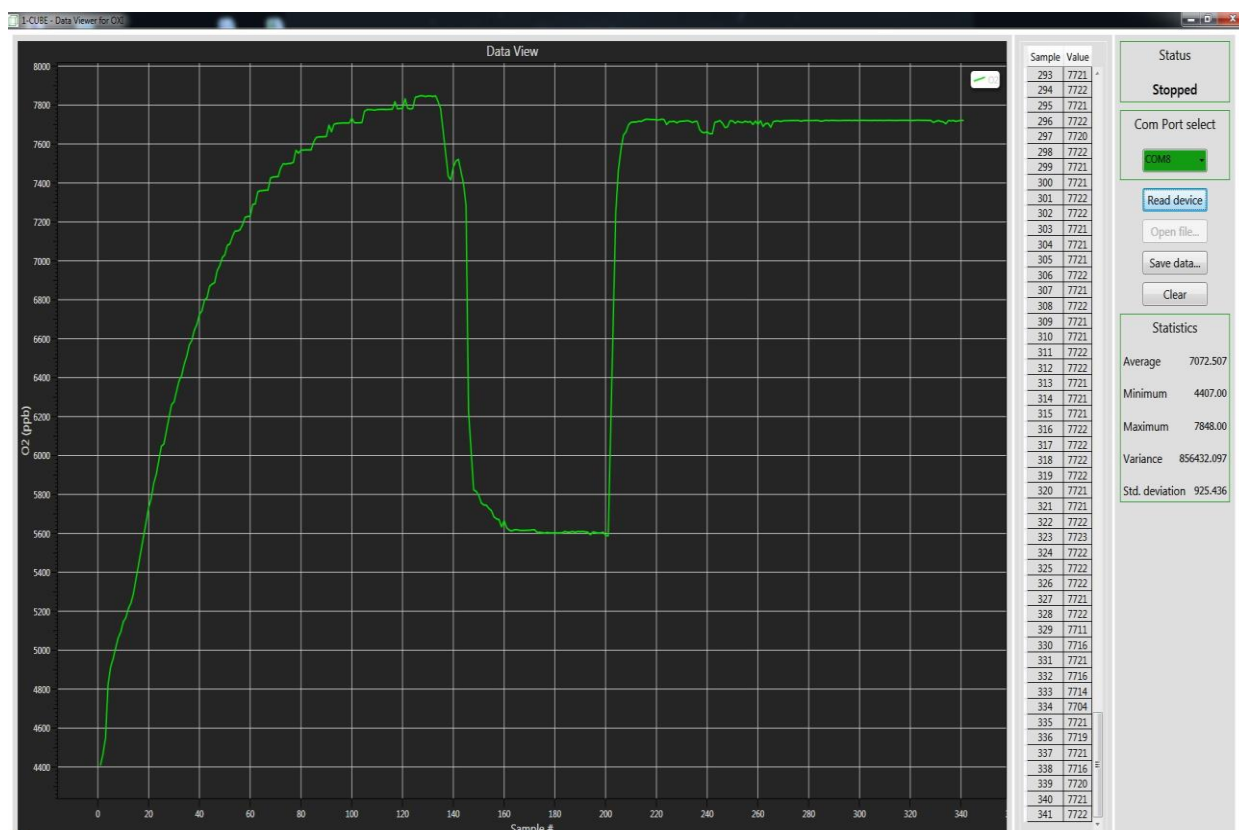
Standard delivery:

Consists of the measuring device, two silicone hoses for withdrawals, power supply and operating instructions.

Optional Accessories:

Sampler/pack piercer ICAS1 for dissolved Oxygen measurement in bottles and cans
Withdrawal head for measurement in KEGS, equipped with manual pump
USB cable + software DataViewer

Note: Accessories may be purchased as required.



Screen capture of optional software, enabling better analysis and recording of your measurements.