

# 1-CUBE

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## O<sub>2</sub> and CO<sub>2</sub> DIGITAL MEASURING INSTRUMENT

### OXI-GMD

Our Digital O<sub>2</sub> and CO<sub>2</sub> Measuring Device has been designed for the determination of O<sub>2</sub> and CO<sub>2</sub> content in beer, saturated beverages and sparkling wine in tanks, fermentation tanks, KEG casks and cylindro-conical fermenters (CO<sub>2</sub> in volume percentage or g/l and O<sub>2</sub> 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 CO<sub>2</sub> is based on the Henry's law. CO<sub>2</sub> content is calculated from temperature and pressure at equilibrium after mechanical releasing of CO<sub>2</sub> dissolved in solution.

Dissolved O<sub>2</sub> is measured using a wide range optical oxygen sensor. Measurement is not affected by other dissolved gases.

#### Technical description:

- Highly accurate determination of dissolved oxygen and CO<sub>2</sub> in beverages
- Proven measurement method using an optical oxygen sensor
- Easy to use

### **Technical parameters:**

range of CO <sub>2</sub> measurement.....	2.0 - 9.99 g/l, 1.0 - 5.15 vol
range of O <sub>2</sub> 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 <sub>2</sub> content measurement.....	0.1 g/l or 0.05 vol.
detection limit of O <sub>2</sub> .....	10 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, Bluetooth
size.....	280x180x320 mm
weight.....	3.3 kg

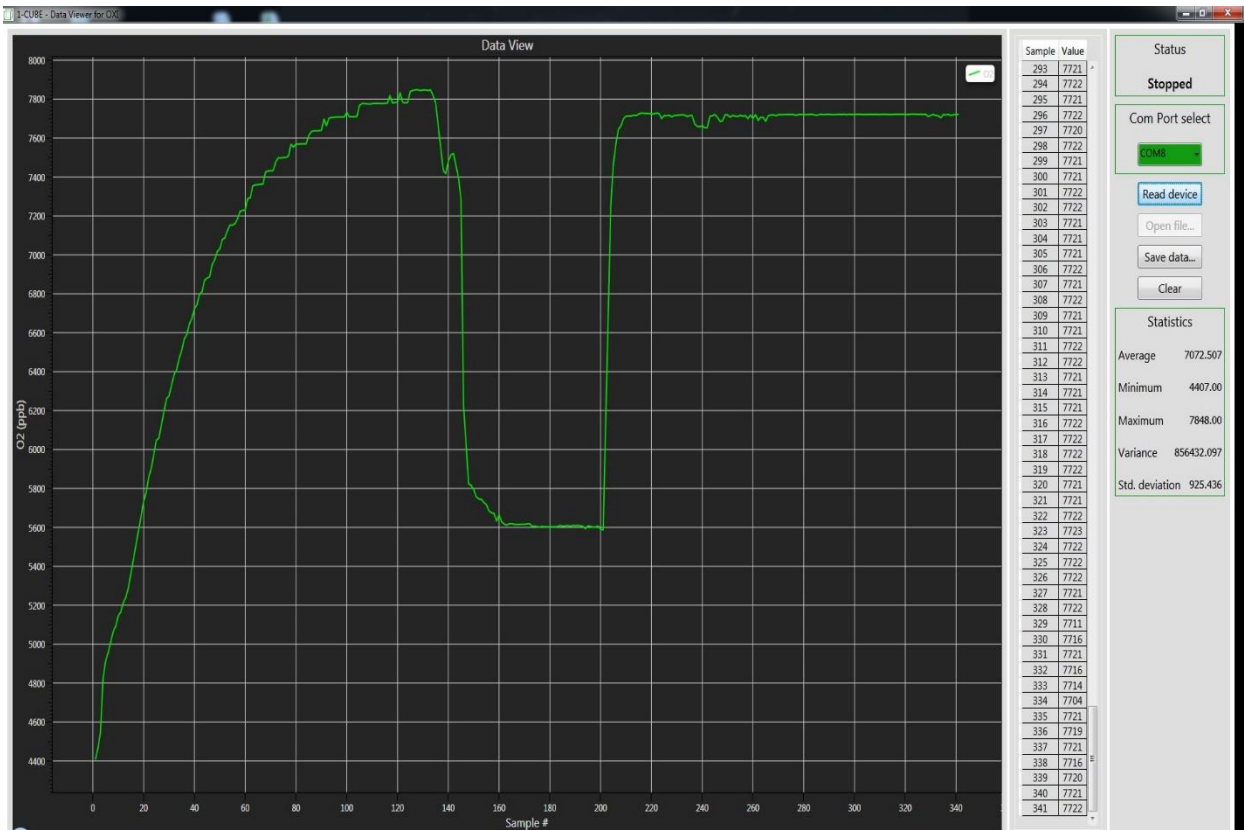
### **Standard delivery:**

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 DataView

**Note:** Accessories may be purchased as required.



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