

# 1-CUBE

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

### **Type OXI-GMD**

Our Digital O<sub>2</sub> and CO<sub>2</sub> Measuring Device is 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 cylindrical fermenters (CO<sub>2</sub> in volume percentage or g/l and O<sub>2</sub> in ppb or ppm ).



#### **Measurement principle:**

Measurement of CO<sub>2</sub> is based on the Henry law principle. CO<sub>2</sub> content is determined by the measurement of the balance value of temperature and pressure after the mechanical releasing of CO<sub>2</sub> dissolved in solution. Measurement of O<sub>2</sub>- proven measurement method using an optical oxygen sensor. The oxygen content is displayed in less than 2 minutes and is automatically transferred to the data memory. The oxygen meter OXI accurately determines dissolved oxygen in beverages. The measurement is unaffected by other dissolved gases which makes it indispensable for monitoring of the oxygen content.

#### **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
- Fast results
- Frequent calibration of the O<sub>2</sub> measurement is not required
- The data can be securely transferred to a PC using the interface cable

### **Technical parameters:**

range of CO <sub>2</sub> measurement.....	2.0 - 9.99 g/l or in mass percentage w/w 0.2 - 0.999%
range of O <sub>2</sub> measurement.....	0 ppb to 10 000 ppb or in volume percentage v/v 1.0 - 5.15%
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> .....	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.....	280x180x350 mm
weight.....	2,5 kg, 5 pounds (lb)

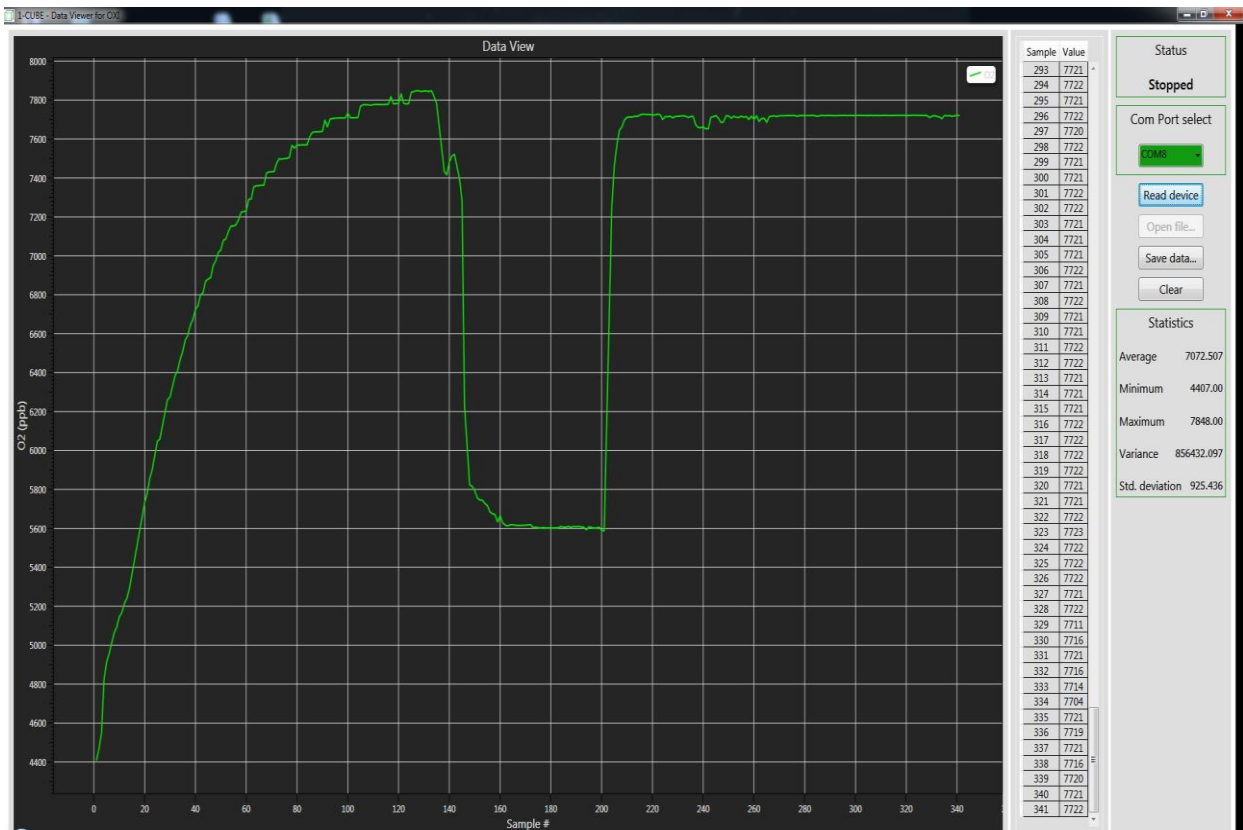
### **Base Model:**

Consists of the measuring device, two hoses for withdrawals, service set with power supply (Euro or US plug) and operating instructions.

### **Optional Accessories:**

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.