



# 1-CUBE

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## CO<sub>2</sub> ANALOGUE MEASURING INSTRUMENT - GMA

Our Analogue CO<sub>2</sub> Measuring Device is designed for the determination of CO<sub>2</sub> content in fermenting tanks, KEG casks and cylindro-conical fermenters (g/l or volume percentage).

### **Principle of measurement:**

This device 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.

### **Advantage:**

Analogue CO<sub>2</sub> Measuring Device GMA doesn't have to be shaken to remove CO<sub>2</sub>. The operator only pulls out and consequently depresses the secure button on top of the device. After this the dissolved CO<sub>2</sub> is removed from sample.



### **Technical parameters:**

range of CO <sub>2</sub> measurement.....	2.0 - 7.8 g/l
	or in mass percentage w/w 0.2 - 0.78%
	or in volume percentage v/v 1-4%
range of temperature measurement.....	-3°C - +30°C or 26-86°F
range of pressure measurement.....	0 - 400 kPa or 0 - 4 bars or 0 - 58 psi
accuracy of CO <sub>2</sub> content measurement.....	± 0.2 g/l or ± 0.02% w/w
accuracy of temperature measurement.....	± 0.5°C or ± 0.9°F
accuracy of pressure measurement.....	± 2.5%
size.....	270x200x140mm (hxwd)
weight.....	1.8 kg

### **Base Model:**

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

### **Optional Accessories:**

Withdrawal head for KEGS equipped with manual pump.

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