



VOLTCRAFT®

VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

“For more than 25 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft’s success.”

CO-10 **CO₂ MEASUREMENT DEVICE**

CE

VERSION 08/09

Nº 10 13 13

A poor air quality is usually the cause for indisposition or fatigue. It also reduces the concentrativeness and the productive efficiency. With the CO-10 the air quality can be checked permanently. This measurement device is ideal for children’s rooms, workrooms, public buildings, schools, offices, etc. The data for the last 24 hours can be read out at the display.

HIGHLIGHTS

Ideal control for compartment air //

CO₂ and temperature display //

24 h data logging function //

Settable acoustic alarm //



GENERAL SPECIFICATIONS

RESOLUTION: 1 ppm / 0.1 °C **ACCURACY:** ± 70 ppm / ± 1 °C **MEASUREMENT RANGE CO₂:** 0 - 3000 ppm **MEASUREMENT RANGE TEMPERATURE:** 0 °C - 50 °C **POWER SUPPLY OUTPUT VOLTAGE:** 6 V/DC **POWER SUPPLY INPUT VOLTAGE:** 100 - 240 V/AC, 50/60 Hz **WEIGHT:** 166 g **DIMENSIONS (W x H x D):** 123.5 x 91 x 46 mm

TECHNICAL DATA

General information

Display:	2-line LC display
Measured values:	Carbon dioxide and temperature
Measuring interval:	7 seconds
Warm up phase:	< 60 s at 22 °C
Min. air flow:	50 - 200 ml/min
Altitude compensation:	0 - 9,900 m
Temperature compensation:	Automatic

Carbon dioxide measuring range

Recommended measuring time:	approx. 2 - 4 minutes (depending on the air circulation)
Definition:	1 ppm (0 - 999 ppm) 5 ppm (1,000 - 1,999 ppm) 10 ppm (2,000 - 3,000 ppm)
Repeatability:	± 20 ppm
Temperature influence / °C:	± 2 ppm or ± 0.1 % of the reading
Air pressure influence / mm Hg:	± 0.13 % of the reading

Temperature measurement range

Recommended measuring time:	approx. 20 - 30 minutes
Temperature measuring range:	0 - 50 °C / 32 - 122 °F
Temperature resolution:	0.1 °
Temperature accuracy:	± 1 °C / ± 2 °F (in direct air flow ± 1.5 °C)

Ambient conditions

Operating temperature:	0 °C to +50 °C
Relative humidity:	< 95 % relative humidity (non-condensing)
Storage temperature:	-20 °C to +60 °C
Max. operating altitude:	3,000 m

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