



Steinfurth CO₂ Tester CDA-MK6

Automatic CO₂ measurement in bottles & cans



The **CDA-MK6** measures pressure and temperature simultaneously, calculates the CO₂ content and transfers the measuring results via data interface to the base unit. A dynamic sample preparation, low maintenance requirements and easiest calibration complement the high-precision measurement.

Customized and medium optimal measuring procedures are ex-factory programmed and executed fully automatic. The flexibly programmable control unit transfers all parameters as test protocol to the internal memory, containing in detail CO₂ content, pressure, temperature, date, time, current test number, and the serial number of the instrument with the specific test sample code.

The base unit's integrated color touch screen shows all essential test results as perfectly visualized quality parameters for the operator.

In combination with the barcode scanner and customized configured data interface the CDA can be very fast and automatic setup for changing samples and operators - essential for most optimal process efficiency and safety. Pre-setup for the Steinfurth CPA-concept is complementarily available in every new instrument.

Operation:

The Steinfurth CDA works based on the physical law of Henry & Dalton. The packaged beverage is placed in the sample container and with closing of the measuring head automatically pierced. Measurement with integrated dynamic sample preparation are initiated by pressing the START button. The harmonic overhead tumbling of the sample delivers optimal physical equilibrium of the sample and assures perfect repeatability and accuracy of the measuring results. Just after the state of equilibrium is reached the CO₂ content is automatically calculated and stored in the memory (available as digital fingerprint of the test with all recorded parameters for transfer to the PC or directly into the network).

Technical specifications	CDA-MK 6
Application:	Beverages industry, Packaging Industry
Measuring results:	CO ₂ , Pressure, Temperature
Package type:	Bottles (PET & Glass), Cans
Usage:	Quality control, packaging testing
Extension into CPA:	Yes (ex-works on board)
Sample preparation:	Integrated & dynamic
Duration of measuring:	approx. 5 – 10 sec
Data output:	LCD, RS 232, USB, LAN
Power supply:	115 – 230V / 50 – 60 Hz
Accuracy (pressure):	± 0.02 bar (± 0.29 psi)
Accuracy (temperature):	± 0.3 bar (± 0.54 °F)
CO ₂ repeatability:	± 0.05 g/l (± 0.03 vol)
Max. pressure:	10 bar (145 PSI)
Measurement:	610mm x 500mm x 640mm
Weight:	ca. 20 kg (44 lbs)