



## AUTOMATIC CO<sub>2</sub> TESTER CDA MK-6



The CDA MK-6 measures pressure and temperature simultaneously, calculates the CO<sub>2</sub> content and transfers the measurement results via datainterface to the base-unit. A dynamic sample preparation, low maintenance construction and easiest calibration round-up the high precision measurement.

Customized and medium optimal measuring procedures are exfactory programmed control unit transfers all parameters as test protocol to the internal memort, containing in detail CO<sub>2</sub> 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 CO<sub>2</sub> content is automaticcaly 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).



## Specifications

- Application: Beverages industry, Packaging Industry
- Measuring results: CO<sub>2</sub> , 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):  $\pm 0.02$  bar ( $\pm 0.29$  psi)
- Accuracy (temperature):  $\pm 0.3$  °C ( $\pm 0.54$  °F)
- CO<sub>2</sub> repeatability:  $\pm 0.05$  g/l ( $\pm 0.03$  vol)
- Max. pressure: 10 bar (145 PSI)
- Measurement: 610mm x 500mm x 640mm
- Weight: ca. 20 kg (44 lbs)