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Единый адрес для всех регионов: shf@nt-rt.ru || www.steinfurth.nt-rt.ru

Perfect CO₂ monitoring in beverage bottles and cans



CPA – Compact Package Analyzer as combination of CDA-MK6, Torque Tester TMS 4000/4010 and CPA-Scale

Continuous adaptation and improvement of the Steinfurth CO₂ tester technology to the individual customer needs worldwide combined with maximal process efficiency are the mayor keys for the perfect instrument solution.

The unique combination of optimal sample preparation, piercing system and measuring device saves not only the simply unnecessary purchase of several single purpose instruments, but also the process time and space in laboratory and at the filling line.

Furthermore the Steinfurth CO₂ tester considers all kind of package influences to the beverage, which for example are completely ignored by optical, or outside of the package executed CO₂ measuring methods. Additional interference factors that apply when transferring the liquid for measurement outside of the package can be completely ignored due to the direct measurement in the packaged beverage. A fully automatic measurement process with extreme precise results are just basic characteristics for nearly every Steinfurth measurement device – as always in combination with the high repeatability and very easy, user independent operation.

Flexible data interfaces assure an easy integration of the Steinfurth CO₂ testers in the existing quality management systems. Easy adaption to all packaging and closure types complete the perfect instrument solutions „Made in Germany“.

Benefits

- Reduced process time and costs by outsourcing of the QA from laboratory to the filling line
- Consideration of all package influences
- Combined evaluation of product and package quality
- Fully automatic, user independent measurement process
- Dynamic sample preparation (CDA)
- Perfectly adjustable to individual requirements and measurement standards & procedures
- Space-saving through All-In-One system concept (sample preparation and measurement)
- Suitable for all kind of packaging and closure types
- Very easy integration in existing quality control systems
- Very flexible documentation and PC connection possibilities
- Local service and support partner on every continent

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Steinfurth CO₂ Tester CO2MS-2

Semi-automatic CO₂ measurement



The **CO2MS-2** is equipped with a high precise digital manometer which displays the equilibrium pressure at the end of the shaking process. The temperature is measured subsequently with a thermometer and the carbon dioxide content calculated or read from a customized CO₂-chart.

Steinfurth CO₂ Tester CO2MS-1

Semi-automatic CO₂ measurement



The **CO2MS-1** is equipped with a precise analogue manometer which displays the equilibrium pressure at the end of the shaking process. The temperature is measured subsequently with a thermometer and the carbon dioxide content calculated or read from a customized CO₂-chart.

Technical specifications	CO ₂ Tester CO2MS-2	CO ₂ Tester CO2MS-1
Application:	Beverages Industry, Packaging Industry	
Measuring results:	Pressure	
Package type:	Bottles (PET & Glass), cans	
Usage:	Quality control, packaging testing	
Extension into CPA:	Not possible due to missing PC interface	
Sample preparation:	Time-controlled: 15 – 60 sec	
Measurement time:	Time-controlled: 60 – 180 sec	
Data output:	LCD	Analogue display
Power supply:	115 - 230V / 50 - 60 Hz	
Accuracy (pressure):	± 0.05 bar (± 0.73 psi)	
Accuracy (temperature):	Manually with a thermometer	
CO ₂ repeatability:	± 0.1 g/l (± 0.5 vol)	
Max. pressure:	10 bar (145 PSI)	6 bar (standard)
Measurement:	610mm x 500mm x 640mm	
Weight:	approx. 20 kg (44 lbs)	