



STEINFURTH®

CPA-3 COMPACT PACKAGE ANALYZER

... modular quality control system for the lab and the filling line

... CO₂

... TORQUE

... FILL LEVEL



CO₂ concentration, opening torque and fill level are the quality parameters that have to be checked on a regular base. The Steinfurth CPA system consists of three rugged measuring devices, designed for use immediately at the filling line.

The CO₂ concentration measuring system **CO₂MS** shakes the sample to achieve phase equilibrium, and CO₂ concentration is calculated from pressure and temperature according to the laws of Henry and Dalton.



The torque measuring device **TMS 4000** features measuring the tamper evidence band tear-off torque as well as measuring just the opening torque, but without CO₂ loss. It includes user-parameterisable testing programs.



The precision balance **FLB 3400** is used for measuring the fill level, taking tare weight and density into account.



By means of a bar code reader, the CPA automatically selects the appropriate spec limits, measuring programs, calculation formulae and tare weights. Furthermore, the measuring results are automatically assigned to a particular product.

The CPA is operated over a few keys and the rugged colour touch screen of the **CPA master terminal**. The CPA master terminal can be built into each of the measuring devices. Coded background colours allow intuitional operation. The terminal must be present once in a CPA system.

BENEFITS:

- Cost saving - outsourcing of the lab work to the filling line
- Customer-specific combination of devices
- Automatic program and spec limit selection by means of a bar code reader
- User-independent automatic operation
- Integrated sample preparation (CO₂)
- User-parameterisable torque measuring programs
- Automatic fill-level calculation
- Designed for use directly at the filling line
- Simple operation with colour touch screen
- LAN integration (Data output via RS 232, RS 485 or CAN bus on request)
- Built-in FTP server for measurement data spreadsheets
- Humidity protection rating: IP 54

TECHNICAL DATA:

Container type:	Bottles and cans
Data output:	Colour LCD, Ethernet (RS 232, RS 485, CAN on request)
Supply voltage:	230 VAC / 115 VAC
Measuring range CO ₂ :	10 g/l (5 vol)
Torque range:	+/- 50 in-lbs
Mass range:	0...3400 g / 7 lb

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