

# CDA-OST OPTICAL SHELF-LIFE TESTER INCL. TEACH HEAD

## NON-DESTRUCTIVE CO2 MEASUREMENT ON PACKAGES

Lower precision and higher vulnerability of optical Co2 measurement methods have prohibited their primary use for analysis of carbon-dioxide packed beverages for a long time. The new CDA-OST (Steinfurth Optical Shelf Life Tester) combines the non destructive functionality of the optical measurement with the high accuracy of the destructive measuring method delivering on this way the most interesting and most accurate measuring solution with this technology.

Each beverage/package combination has its individual influence to the optical sensor signal.

By simultaneous measurement using destructive and non-destructive measuring technology focussing the same sample, the Steinfurth CDAOST is able to "learn" this influence. With this setup the number of samples needed for accurate Co2 measurement and monitoring of shelf life can be dramatically reduced. With the exclusive combination of sample preparation destructive and optical measurement (including the automatic measurement of the bottle neck diameter) in only one device, the Steinfurth OST is the most perfect solution for non-destructive CO2-measurement and storage room saving shelf life analysis in packed beverages.

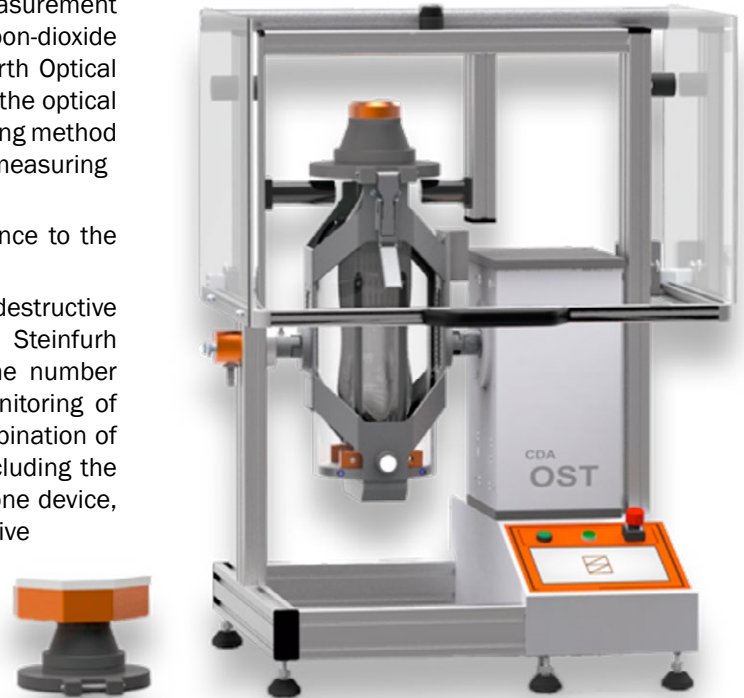
### OPERATION:

The first sample of a new beverage/package combination is measured with both technologies.

Once the package/beverage influence on the optical sensor signal was learned, all further samples of the same kind can be measured optically (non-destructive) with the same high accuracy.

### BENEFITS:

- Accurate non-destructive CO2-measurement
- Combined measurement of non-destructive and destructive measuring technology
- patented technology combination
- dramatic reduction of stored samples
- flexible programmable test procedures
- User independent, automatic operation
- Low maintenance requirements
- Easy, intuitive operation
- New testing possibilities
- Automatic measurement of the neck diameter



### TECHNICAL DATA:

Packaging type:	Glass or PET
Pressure range:	1 - 10 bar
Repeatability:	+/- 0,15 g/l
Power supply:	115 - 230 VAC , 50 - 60 Hz
Operating temperature:	+5 °C - +35 °C
Time per measurement:	ca. 5 Sec.