HAFFMANS AUTOMATOR
TOTAL PACKAGE ANALYZER

PRODUCT LEAFLET

GENERAL PRODUCT INFORMATION

Efficiency, quality, speed, and sustainability are crucial for a brewery or beverage plant to run a successful packaging line. Fewer operators are required for today's highly automated processes, which includes quality control.

The Haffmans Automator provides a tailor-made system for automatic package content analysis. In addition to the basic parameters of oxygen (O_2) and carbon dioxide (CO_2), the system can be extended for alcohol, turbidity, pH value or others to meet specific requirements. The standard configuration includes determination of headspace oxygen (HSO), dissolved oxygen (DO), total package oxygen (TPO), dissolved CO_2, and headspace volume. You decide, if any additional measurements are included in the system.

The autosampler is a crucial feature of the Haffmans Automator as it eliminates the need for the samples to be put into the device separately and be processed one-by-one. After the sample is loaded onto the autosampler, sample processing is fully automatic, which significantly reduces labor requirements and enables the operator to take care of the primary packaging process.

Using proven Pentair Haffmans measuring technology, several product properties are analyzed in one measuring cycle. This results in more information with less effort and provides immediate insight into the filling operation performance.

BENEFITS

- Tailor-made system
- Fully automatic
- Autosampler
- Multi-parameter analysis per package
- Based on proven Pentair Haffmans technology
- Modular set-up
- Reduced operating costs
- Maximum insight on product quality from a single package

APPLICATIONS

- Automatic analysis of product properties during packaging
- Filling department in the food & beverage industries

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TECHNICAL DATA

Measuring range
TPO, HSO, DO, Headspace Volume, CO_2

Measuring range

Oxygen content	0.00 - 4.18%
DO value	0.000 - 2.000 mg/l
CO_2 value	2.0 - 10.0 g/l

Other measurements depend on analysis configuration.

Accuracy

HS value	± (0.002% + 2% m.v.)*
DO value	± (1 ppb + 2% m.v.)*
CO_2 value	± 0.1 g/l

Autosampler
12 positions

Package dimensions

Height	min. 80 mm - max. 330 mm
Diameter	min. 55 mm - max. 95 mm

Voltage
100 -240 V / AC 50-60 Hz /150 VA

Interface
Graphical User Interface with touchscreen
3x USB, Ethernet, RS-232
Barcode reader

Dimensions
Footprint: 825 x 605 mm (WxD)
Height: 1340 mm

Weight
150 kg

* at 20 °C

SCOPE OF SUPPLY

- AUTOMATOR with O_2 module (mounted on Twin Sampler) and CO_2 module
- Power supply cable
- Bar code reader
- Touch screen stylus
- Sample holders (2 sets of 8 adapters with covers)
- Calibration set
- Manual
- Installation set
- Service box

CO_2 module

OPTIONS

- Certificate of measurement
- Product-specific sample holders
- Haffmans GCD (for pressure calibration)
- Alcolyzer Beer ME with Haffmans connection set and manual