

HAFFMANS AUTOMATOR

TOTAL PACKAGE ANALYZER

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 (O₂) and carbon dioxide (CO₂), 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 CO₂, 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.



CUSTOMER 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, CO₂

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 O₂ module (mounted on Twin Sampler) and CO₂ 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

OPTIONS

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



CO₂ module



HAFFMANS B.V.

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