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.

**APPLICATIONS**

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

**ANÁLISADOR TOTAL DE EMBALAGEM**

**PRODUCT LEAFLET**

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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
- CO₂ 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.)*
- CO₂ 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

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### 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

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### OPTIONS

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

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**PENTAIR**

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**HAFFMANS BV**

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