

Keg Monitor



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General product information

The evaluation of cleaning kegs in breweries and soft drink production plants is an important aspect for quality assurance before filling. There is a significant risk that kegs might be contaminated by foreign substances. Keg washing is therefore an essential process in the packaging line.

The Keg Monitor, type KEG, consists of a specially prepared keg with standard dimensions, on which a data logger and sensors are mounted, a handy and a dock station. It monitors the keg washing process and measures the temperature of the incoming product, the temperature of the product leaving the keg, the temperature of the keg wall, and the pressure inside the keg in relation to time. In addition, the data logger registers the position of the keg in the cleaning process.

The KEG travels among the other kegs through the keg washer and evaluates its performance. After the process is finished, the handy is put onto the keg and the data is wirelessly transferred. Then, the handy is placed on the dock and the stored data can be directly printed or uploaded on to a PC. The software processes the measured value and further checks whether the steam was superheated, which reduces the sterilization effect. All results are displayed in a tabular and graphical format, which can be printed and/or stored.



KEG

Keg Monitor



Benefits

- Perfect process control
- Cost saving
 - information about condition of keg washer
 - optimization of energy consumption

Application

- Keg washer/keg filling line

Technical Data

Measuring range

Temperature : 0 - 150 °C
Pressure : 0.5 - 6.0 barg

Measuring units

Temperature : °C or °F
Pressure : bar or psi

Accuracy

Temperature : ± 0.1 °C
Pressure : ± 0.01 bar

Recording interval : 1 sec. (adjustable to 2 sec.)
Storage capacity : up to 4 recording runs/max. 33 min. per run

Container : Returnable keg from 5 liter upwards

Handy

Dimensions : 211 x 100 x 26 (LxWxH mm)
Weight : 0.4 kg

Dock

Voltage : 200 - 250 V, 50/60 Hz (on request 100 - 125 V)
Interface : RS-232, Centronics
Dimensions : 200 x 100 x 115 (LxWxH mm)
Weight : 0.5 kg

Scope of Supply

- Standard Keg* with Data logger, 3 temperature probes and 1 pressure sensor
- Handy
- Dock with charger (Euro or US plug)
- Service set
- Software set (CD + Interface)
- Instruction manual

* When ordering, please supply a standard keg to Haffmans BV.

Options

- Certificate of measurement
- Printer

Haffmans BV reserves the right to make changes in the technical specifications at any time.



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