

Bottle Monitor

General information

Quality Control for the washing of bottles is a major concern for the production plant. There is indeed a significant risk that bottles are spoiled by foreign contaminants such as oil and paint. Bottle washing is therefore an essential process in the packaging line.

The bottle washer has to function properly and the (returnable) bottles need to be clean, and free from germs and residues. The temperature of the water and the concentration of caustic soda of the baths in the washing machine are essential parameters for a good washing process.

Principle of operation

The Bottle Monitor enables you to evaluate the performance of the bottle washer by simple and accurate monitoring of both temperature and conductivity in the washing process. The Bottle Monitor travels among all other bottles through the bottle washer. During the washing process the temperature and conductivity are measured as a function of time.

The data are stored in the Bottle Monitor and after washing the data can be transferred on to a computer via a docking station. By means of a LED on the bottom side, the Bottle Monitor also confirms if the washing process ran in accordance with the reference parameters that the operator has installed.



Beverage Quality Control



Technical information

Features

Temperature measurement,
Conductivity measurement,

Wireless communication,
Data transfer to a PC.

Advantages

User-friendly operation and maintenance,
Robust and ergonomic design,
Adaptable bottle size.

Recognizable bottle (yellow),
Easy communication and data transfer,

Benefits

Reliable monitoring of the washing process,
Quality assurance in the production plant,
Product safety in the filling line,
Data available at a PC for TQMS (Total Quality Management Systems).

Scope of supply

- Bottle
- Dock station
- Voltage adapter
- Data transfer and analysis software
- RS-232 connector cable
- Service set: battery, O-rings, magnets and service tool
- Operating Manual

Technical Data

Measuring range

Temperature: 0 - 85 °C
Conductivity*: 0-300 mS/cm
Time: 0 - 60 min

*The conductivity measurement is compensated for 20°C or 25°C.

Accuracy

Temperature: +/- 0.5 °C
Conductivity: 0.5 mS/cm +2 % of measuring value

Power supply

Battery: Type Lithium 3.6 Volts (2/3 AA)
Voltage adapter: 100- 240V AC-50/60 Hz

Protection class

Bottle: IP68
Docking station: IP62

Dimensions

Docking station: 32 x120 x170 (HxWxD in mm)
Bottle: Standard*: NRW 0.5 l / EURO 0.5 l / 0.33 longneck (Haffmans execution)

*Others sizes on request

Weight in gram

Bottle: 600
Dock: 750
Adapter: 330

Haffmans B.V. reserve the right to make changes in the technical specifications at any time.

Haffmans B.V.

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