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

The Bottle Monitor, type BTM, monitors the bottle washing process and measures both temperature and conductivity as a function of time.

The BTM travels among the other bottles through the bottle washer and evaluates its performance. After the process is finished, an LED on the bottom of the monitor indicates whether the cleaning process met the requirements programmed in the BTM. The measured data can be transferred to a PC via a docking station. The software processes the measured value and displays it in tabular and graphical formats, which can be printed and/or stored.

**GENERAL PRODUCT INFORMATION**

- Perfect process control
- Cost saving
  - information about condition of bottle cleaner
  - optimization of energy and caustic consumption

**APPLICATIONS**

- Bottle Washer

**BENEFITS**

- Bottle Monitor, type BTM
## TECHNICAL DATA

### Measuring range
- **Temperature**: 0 - 85 °C
- **Conductivity**: 0 - 300 mS/cm*

### Accuracy
- **Temperature**: ± 0.5 °C
- **Conductivity**: 0.5 mS/cm + 2% of m.v.

### Recording interval
1 sec.

### Storage capacity
1 recording of max. 90 min.

### Bottle
- **Bottle size**: NRW 0.5 l/EURO 0.5 l/0.33 longneck**
- **Battery**: Lithium 3.6 V
- **Weight**: approx. 600 g

### Dock station
- **Voltage**: 100 - 240 V AC-50/60 Hz
- **Interface**: RS-232
- **Dimensions**: 32 x 120 x 170 (HxWxD mm)
- **Weight**: 750 g

* Compensated for 20 °C or 25 °C
** Other sizes on request

## SCOPE OF SUPPLY
- Bottle
- Dock station with charger and mains cable (Euro, US, UK or AUS plug)
- Service set
- Software set (CD + Interface)
- Instruction manual

## OPTIONS
- Certificate of measurement

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