

## NIBEM Cling Meter

### General information

Appearance is one of the most important quality characteristics of beer for the consumer.

The appearance of the beer depends mainly on the behaviour of the foam. When a beer glass is emptied, some islands of foam remain on the glass wall.

The term "cling" describes how well the beer foam sticks to the wall. The more foam adheres, the better the quality of the beer foam. Measuring cling gives insight into the foam quality and thus the beer quality.

### Principle of operation

A scanning head is driven down into a rotating beer glass and detects the area of glass covered by beer foam. The proportion of the area covered by beer foam over the total scanning area gives a value representing the ability of the foam to adhere to a glass.

The calculation of the glass area covered by foam gives a quantitative measure of cling. This differs, however, from one type of beer to another.



## Beverage Quality Control



## Technical information

### Features

Robust housing made of stainless steel and advanced plastics,  
 Large display that shows measurement progress and results on a screen,  
 Memory capacity up to 400 measurements,  
 Bar Code reader for entering a sample identification code,  
 Interface for printer (Centronics) and PC (RS-232).

### Advantages

User-friendly operation,  
 Glass rim automatically recognised,  
 Measurement method adapted to NIBEM,  
 Data available on PC via a Software program,  
 Real-time clock.

### Benefits

Objective foam quality measurement,  
 Automatic and manual threshold setting,  
 Automatic measurement,  
 Prevention of foam quality problems at customers.

### Scope of supply

- NIBEM Cling Meter, type NIBEM-CLM
- Mains cable with Euro plug\* (ICEE-7/VII, IEC-B3/C4)
- RS-232 connector cable
- Data transfer software
- Standard glass
- Calibration glass
- Test glass
- Operation manual

\* Mains cable can also be delivered on request with the following plugs:      American plug (NEMA 5-15P, IEC-83/A5-15)  
    British plug (BS 1363A, IEC-83/B2)  
    Swiss plug (SEV Type 12)  
    Australian plug (ASC 112)

### Technical data

Measuring range:	0 – 100%	Accuracy:	5% Full Scale.
Memory capacity:	400 measurements	Voltage:	100-240V AC/ 50-60 Hz
Display:	Graphic LCD 96 x 72 mm	Interfaces:	Centronics RS-232 Bar code reader
Dimensions:	455 x 240 x 235 (H x W x D in mm)	Weight:	12 kg

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



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