Haffmans

NIBEM Foam Stability Tester

General information

Foam is one of the very important quality factors in the beer production process.
One of the quality aspects of the foam, which is measured usually, is the foam stability.
The NIBEM institute has set standards for the measurement of the foam stability. This is very important as reference in order to get reproducible and correlating results.

Principle of operation

After the calibration and sampling, the sample is placed under the measuring electrodes system and by pressing the START button the measurement starts. The foam stability is measured as the seconds needed for the foam to collapse over a distance of 30mm.
The measurement starts 10 mm below the rim of the glass. The time periods it takes for the foam to collapse over the distances of 10, 20 and 30 mm are displayed as a result. The results can be sent to a PC by using the Haffmans software delivered with the instrument.

Beverage
Quality Control

NORIT The Purification Company

NIBEM-TPH

Technical information

Features

Robust housing made of stainless steel and advanced plastics,
Large display that shows measurement progress and results on a screen,
Possible temperature, atmospheric pressure and humidity compensation for NIBEM-30,
Acoustic signal indicating the end of the measurement,
Memory capacity for up to 400 measurements,
Bar code reader port for entering a sample identification code,
Interface for printer (Centronics) and PC (RS-232).

Advantages

User-friendly operation,
Glass height calibration stored in memory,
Measurement method compliant with NIBEM,
Data available on PC,
Real-time clock.

Benefits

Objective foam quality measurement,
Automatic measurement,
Different interfaces available in one instrument,
Transparent housing for viewing the measuring operation,
Prevention of foam quality problems at customers,
Easy calibration procedure,
Maintenance-free.

Scope of supply

- NIBEM Foam Stability Tester, type NIBEM-TPH
- Mains cable with Euro plug* (CEE-7/VII, IEC-83/C4)
- RS-232 connector cable
- Data transfer software
- Standard glass
- Operating 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:		Accuracy:	
NIBEM values:	5-500 sec.	NIBEM value:	1 sec.
Temperature:	-5.0 – 40.0 °C	Temperature:	better than 0.5 °C.
Memory capacity:	Up to 400 measurements	Voltage:	100-240 V AC/50-60 Hz
Display:	Graphic LCD 100 x 80mm	Interfaces:	Centronics RS-232 Bar code reader
Dimensions:	430 x 240 x 235 (H x W x D in mm)	Weight:	9 kg

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

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