

Turbidity Meter



Turbidity Meter

General product information

In the beer and beverage industry, the turbidity is decisive to the quality of beer and carbonated beverages and serves as an acceptance criterion for consumers. Especially breweries continuously control and measure the turbidity during the different production steps and after filling to predict the shelf life of the product (forcing test).

The Turbidity Meter measures the scattered light caused by particles and incorporates the latest standards from MEBAK (Mittel-europäische Brautechnische Analysekommision):

- 90° measuring angle,
- red light 650 ± 30 nm and
- Formazin calibration standard.

Particles smaller than $1 \mu\text{m}$, such as proteins, mainly cause scattered light under 90°. Particles larger than $1 \mu\text{m}$, such as kieselguhr and yeasts, mainly causing forward-scattered light, are measured under 25°. Up to 10 calibration curves can be programmed. Equipped with product identification and a memory, it allows for the traceability of measuring data.

A sample (cuvette or bottle) is placed in the measuring chamber, which is filled with water. The measurement proceeds fully automated, positioning the sample and rotating it, making 100 measurements and calculating the average value. The measurement results can be exported to a PC and/or directly printed.

Two executions are available:

- Type Vos Rota 90/25, for simultaneous measurement of 90° and 25° turbidity.
- Type Vos Rota 90, for measurement of 90° turbidity.



Vos Rota

Turbidity Meter



Benefits

- Perfect process performance control
- Cost saving
 - lower investment costs (one device for different product types)
 - less labor intensive (automated measuring process)
 - low maintenance

Applications

- Laboratory

Technical Data

	Vos Rota 90/25	Vos Rota 90
Measuring angle	90° and 25°	90°
Wave length	650 ± 30 nm (others on request)	
Measuring range		
EBC units:	0.00 - 100.00	
ASBC units:	0.0 - 6,920.0	
Helm units:	0.0 - 4,000.0	
FTU units:	0.00 - 400.00	
Memory capacity:	up to 999 measurements	
Number of calibration curves:	10	
Bottle dimensions		
Height:	max. 320 mm	
Diameter:	min. 50 mm / max. 90 mm	
Interfaces:	RS-232, Centronics, Bar code reader	
Voltage:	100-240 V AC/50-60 Hz	
Dimensions:	455 x 330 x 430 (LxWxH in mm)	
Weight:	19 kg	

Scope of Supply

- Turbidity Meter*
 - Type Vos Rota 90/25 or
 - Type Vos Rota 90
- Cuvette with screw cap
- Mains cable (Euro, US, UK or AUS plug)
- Software set (CD + Interface)
- Service set
- Instruction Manual

* When ordering, please state which instrument you require.

Options

- Certificate of Measurement
- Bar code reader
- Formazin 500 ml, 1000 EBC
- AEPA, available in various calibration standards

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



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