Anton Paar

::: Unique Density & Concentration Meters



HazeQC ME

Module for Anton Paar laboratory measuring instruments and analysis systems to measure turbidity in liquids

For Anton Paar Systems: Modular Turbidity Measurement



Simply attached – for modular turbidity measurement

HazeQC ME is a module for Anton Paar laboratory measuring instruments and analysis systems such as Alcolyzer Plus. It is used to measure the turbidity of all kinds of liquids, especially beer and beer mixtures.

Because of its flow-through measuring cell, HazeQC ME can be integrated into existing analysis systems. The cell can be pressurized with up to 6 bar. Given the use of the according filling devices, this enables automated filling and measurement. The entire system is controlled via the master instrument.

All parameters at once

In one single measuring cycle, the combination of HazeQC ME and PBA-B (Packaged Beverage Analyzer for Beer) determines a sample's CO_2 content, alcohol, density, pH*, beer color* and turbidity, without sample preparation and directly out of the package.

The parameter turbidity is added to the system's data record as usual, and is therefore also easily transferred to the central data acquisition sever. Values are optionally output in EBC or NTU.

*optional

MEBAK and EBC compliance

HazeQC ME employs the well-proven ratio method to calculate the turbidity value from the raw measuring signals at three angles: 0° transmission, 25° and 90° scattered light. A light wavelength of 650 nm is used.

HazeQC ME therefore complies with all common standards regarding turbidity in beverages, such as the directives of MEBAK (Mitteleuropäische brautechnische Analysenkommission) and the European Brewery Convention EBC.

Reliable measurement: Thermostatted measuring cell

The thermostatted measuring cell ensures a reliable reading at the set sample temperature. No correction calculations are necessary.

Innovations at a Glance

- Easily attached module for turbidity measurement
- Modular concept
- Thermostatted flow-through measuring cell

Technical Data**	
Measuring range	0 to 100 EBC (0 to 400 NTU)
Resolution	0.01 EBC or NTU
Measurement uncertainty	±5 % of the measured value or 0,2 EBC in accordance with Formazine Turbidity Standards
Measuring temperature	0 to 40 °C Peltier-controlled measuring cell
Wavelength	650 nm
Sample volume	approx. 3 mL
Dimensions (L x W x H)	380 x 160 x 190 mm (15 x 6.3 x 7.5 inches)
Weight	5.3 kg (11.7 lbs)

**Table will be expanded.

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Instruments for:

Density & concentration measurement
Rheometry and viscometry
Sample preparation
Microwave synthesis
Colloid science
High-precision temperature measurement
Refractometry
Polarimetry
X-ray structure analysis

Specifications subject to change without notice.

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