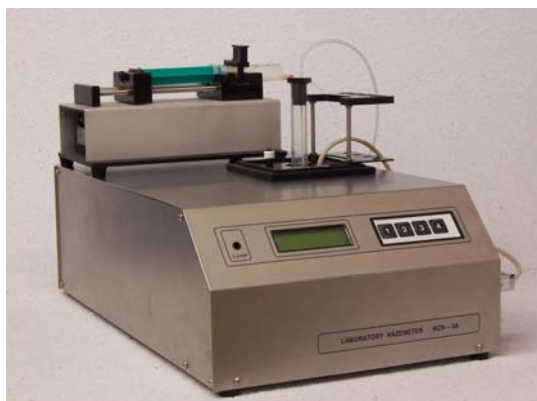


Model TURBIIab-FS (TBL-FS)



- Calibration Interval 24 Month
- Water Bath
- Direct Measuring in Bottles
- Bottle Revolving
- Optional Software Package
- Optional Temperature controlled measuring Chamber
- Optional Titration Pump

Description:

The turbidimeter model TurbiLab-FS works on the principles of measurement of 12° forward and 90° side scattered measurement. The measurement can be performed directly in bottles or in a cuvette. The instrument detects the turbidity only. Product- or bottle colorations will be compensated. The instrument does 200 individual measurements per bottle rotation. This automatic bottle revolving in the water bath of the measuring chamber compensates for scratches and unevenness of the bottle. The evaluation of the quotient scattered light / transmitted light ensures long-term stability and reproducibility of the device. The comparison of the two measurements (12° / 90°) allows the user to draw conclusions on the particle size distribution in the product. The measured values are displayed in EBC units or alternatively in FTU, NTU or ppm. The measuring units can be selected from the keyboard. The optional software package, titration pump, magnetic stirrer and the temperature-controlled sample chamber makes the device to a full-titrator. The Windows software controls the measurement cycles, the reagent pump for and allows the evaluation, archiving and presentation of the measuring results.

Application Examples:

- Forcier Test
- Tannoid Content Test (Polyphenol reaction)
- Sensitive Protein Content
- SASPL (saturated ammonium Sulphate precipitation limit)
- Monitoring and recording of the sedimentation of yeast
- Monitoring and recording of the yeast activity
- Monitoring and recording of the sedimentation of diatomite
- Monitoring and recording of the sedimentation behaviour of PVPP...

Technical Data:

Measuring Range (90 °):

0-250EBC, 0-1000NTU, 0-2000ppm (auto ranging)

Measuring Range (12 °):

0-80EBC, 0-250FTU, 0-500ppm (auto ranging)

Measuring Units:

EBC, NTU, FTU, ppm (Based on Formazin standard)

Resolution in EBC:

0.01 at 0-10EBC / 0.1EBC at 10-100EBC / 1EBC at 100-250EBC

Accuracy

better 2%

Display:

Backlit LC-Display (2 rows, 16 characters)

Light Source:

650nm Mebak conform (alternative 860nm conform to ISO7027 / EN27027)

Measuring Chamber:

Standard Cuvettes Ø 40mm / Bottles maximum Ø 100mm (1,5L PET, NRW, Euro, etc) / Test tubes / Cuvettes Ø 25mm (min. sample volume 20 ml)

Interface: RS-232 (alternative RS-485, Blue tooth or USB)

Supply Voltage: 115VAC / 230V (50-60 Hz)

Power consumption: max. 12 W

Dimensions: 450 x 300 x 500mm

Weight: 10 kg