HAZEMETER

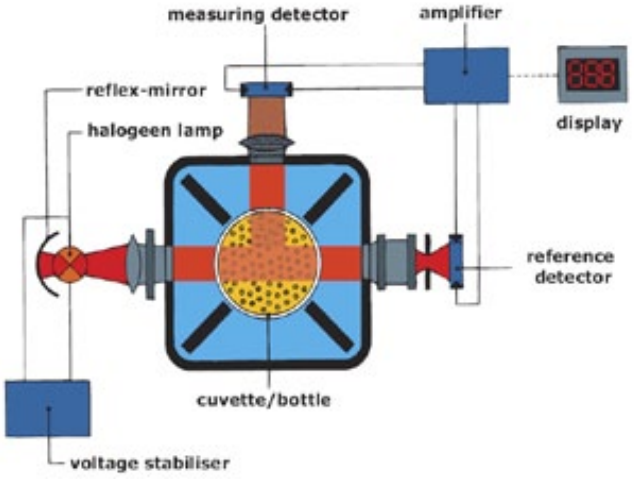
Turbidity is defined as "expression of the optical property that causes light to be scattered and absorbed rather than transmitted in straight lines through the sample." In other words, turbidity is the measurement of relative sample clarity. Turbidity is measured by comparison to standard solutions eg. Formazin.
In practice, turbidity measurement is done in cuvettes. However, the measurement can also be executed in bottles of various sizes. Different bottle holders can easily cover the most commonly used bottle diameters.

Advantages

- Easy four-point calibration
- Large, well-readable display
- Display readings in EBC, ASBC or Helm units
- Rugged, water resistant housing
- Tall hood for measurement of bottled beverages
- RS 232 and printer interface
- Adaptable to supply voltages 115 or 230 V AC
- Use of different optical filters possible

Mode of action

The Vos 4010 Hazemeter makes use of the scattered light principle. Scattered light caused by haze particles is measured at an angle of 90o. A light source with red filter is used, operating at a light wavelength of 650 +/- 30 nm (recommended by MEBAK!). Other wavelength filters are optional and easily exchangeable in the apparatus.



Technical specifications

Measuring range
Low range 0-10 EBC : 0,01 EBC
High range 9-100 EBC : 0,1 EBC

Unstable signal at
>6% variation in signal during measurement

Scales
selectable EBC, ASBC and Helm units

Voltage
230 V, 50 Hz, 115 V, 60 Hz

Lamp
Halogeen 12 V, 20W

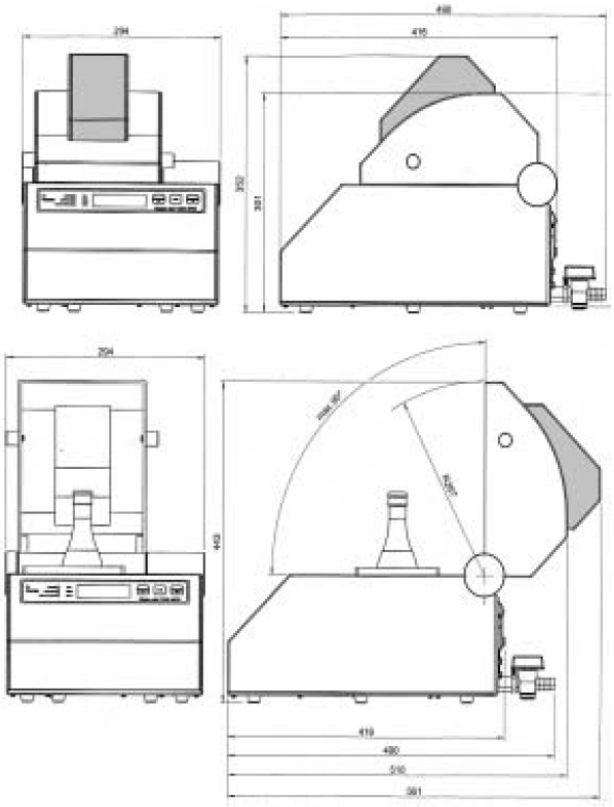
Options

- hood for extra tall bottles (marked in drawing)
- greenfilter
- white filter

Physical specifications

Weight
7.3kg

Dimensions



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