



Turbidimeter

Nephelometry and turbidimetry are analytical techniques based on the scattering of radiation by a suspended particles in a solution. When a radiation passes through a transparent medium containing dispersed particles, part of the radiation is scattered in all directions, giving a turbid appearance to the mixture.

- The decrease in the intensity of the transmitted light, the unscattered light, through the medium is the basis of turbidimetric methods. When scattering is extensive, owing to the presence of many particles, turbidimetry generally yields more reliable results.
- Nephelometric methods, on the other hand, are based on the measurement of the scattered radiation, usually at a right angle to the incident beam. Nephelometry is preferred at low concentrations since a small scattered intensity against a black background is easier to measure than a small change in intensity of intense transmitted radiation.

Adeeco turbidimeter/nephelometer meet the requirements of most laboratories for fast, accurate turbidity testing over a wide range of samples.

Features

- Being simple
- Fast procedure
- High accuracy and sensitivity
- Simple calibration procedure
- Low maintenance





Specification		
Models	Turbi-W	Turbi-S
	Low concentrated suspensions	High concentrated suspensions
Calibration	EN ISO 7027:199	
Range	0-4000 FAU for water	
	0-10000 FNU for ceramics	
Light source	LED (IR, Red and Blue)	
Interface	Optional USB, PC connectivity	
Sample volume	50 mL	
Dimensions (L×W×H)	30×10×15 cm	
Weight	2 kg with out electromotor	

