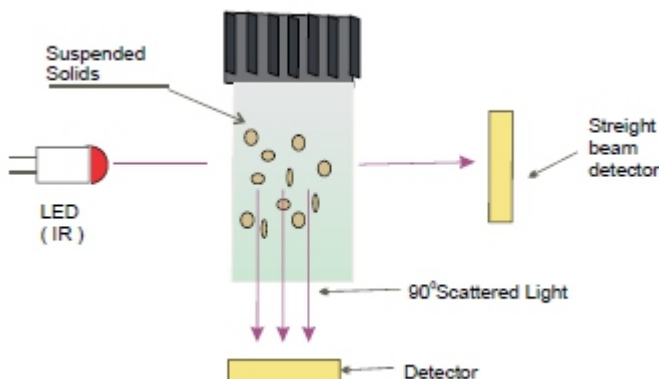# ELECTROLAB
Datasheet

Turbidity Meter
EzTurbidity

Features:

- The common Turbidity Meters use incandescent lamps as light sources, which emit broad spectrum. The wide range of wavelengths can cause colorimetric interference in turbidity readings. Also, incandescent lamp output tends to reduce over time. Due to this frequent replacement of lamp & calibration is required.

- A narrow band monochromatic light source (I R LED). It has a long life & very less wavelength interference.

- Turbidity Meter is the most advanced portable microcontroller based Turbidity Meter. It is based on nephelometric and ratiometric principles of turbidity measurement. It uses LED & meets EPA 180.1 and ISO 7027 as well as an infrared ratio (IR ratio) mode that gives results in accordance with EPA GLI method 2. It has a memory to store 40 results. The data can be transferred to PC & then printouts can be taken in a document format with report number, date & time.

Specifications:

Model	EzTurbidity
Range	0 to 4000 NTU
Resolution	0.01 NTU (0 to 99.99 NTU)
	0.1 NTU (Up to 999 NTU)
	1 NTU (1000 NTU & above)
Accuracy	1 to 10 NTU : ± 15 %
	10 to 100 NTU : ± 4 %
	100 to 4000 NTU : ± 2 %
Modes	Nephelometric / Ratiometric
Control Module	Advance Micro Controller
Keyboard	Soft Touch Membrane Type
Display	128 x 64 Dots Blue - White Graphic LCD Module
PC Interface	RS 232 Comm.
Real Time Clock	24 hour leap year corrected
Storage	40 Reports
Housing	Corrosion resistant fibre body
Weight	1 Kg (approx)
Dimensions (L x W x H)	22.5 cm x 19 cm x 5.5 cm
Power Supply	230 Volt ± 10% AC 50Hz OR 8.4 Volt, 2 Ω, Rechargeable batteries

- **Ordering Information:**
  EzTurbidity Complete with Sample Bottle (5 nos.), Power Supply and PC Cable

- **Optional Accessories:**
  Software for CFR part II compliance
  Serial Dot Matrix printer