



Portable Turbidimeter

Portable Turbidimeter

"Turbidity is the reduction of transparency of a liquid caused by the presence of undissolved matter." (ISO 7027) A sample is "clear" if it can be seen through. If the passage of light is hindered, the solution is "turbid".

NTU = Nephelometric Turbidity Units (90°scattered light measurement). The rays of the undissolved particles scattered in a 90°angle are measured. The measuring result is given in NTU or FNU (FNU = Formazine Nephelometric Units), Conversion: 1 FNU = 1 NTU.

TECO's portable turbidimeter is designed to operate over the range of 0.00 to 199.9 N.T.U. with a resolution of 0.01 or 0.1. Readout is via a 3½ digit liquid crystal display. The optical system adopts the proven technique of taking measurements at 90° to the incident light beam. Three glass filters are available to add colour correction, if required.



- Rugged, water resistant construction
- Fully portable / battery operated
- Range 0.00 to 199.9 N.T.U.
- Capped cell sample presentation
- Optional carry case

Each instrument is supplied with batteries, battery charger, calibration standard and four sample tubes making the unit ready for use. An optional data logging facility enables up to 240 results to be stored. These can be down loaded via the RS232 link for printing or analysis, or recalled on to the instrument display

Specification.

Ranges	0.00 to 19.99 / 0.0 to 199.9 N.T.U.
Resolution	0.01 / 0.1 N.T.U.
Accuracy	±0.5% or 0.05 whichever is greater
Light source	5V 230mA tungsten lamp
Display	3½ digit LCD
Batteries	6 x NiCad rechargeable batteries
Size	210 x 205 x 110mm
Weight	2Kg

Accessories

603 503	Red filter
603 504	Blue filter
603 505	Green filter
603 530	Set of 3 filters
603 529	Matched turbidity cells (capped) (Qty 12)
033 108	Carry case
021 019	Replacement Battery charger (115V)
021 020	Replacement Battery charger (230V)
025 109	Bottle 5 N.T.U. standard
021 001	Rechargeable battery (qty 1) (Note: Qty 6 required)