

Compact Turbimeter



Our **Compact Turbimeter** from Palintest® measures turbidity and total suspended solids (TSS), the two most important indicator parameters for water quality.

Operating to ISO 7027 standard it is reliable, accurate and easy to use, recording a full data log, including time, date, Operator ID, sample ID and calibration record.

Robust, reliable and accurate field measurement of turbidity and suspended solids for environmental research

Advantages

- Maximum reliability and accuracy in the field
- Variety of operating/reading modes including Total Suspended Solids
- Full data log including time, date, Operator ID, Sample ID & calibration record for GLP compliance
- Operates to ISO 7027 standard
- Accurate for samples containing mobile/settling solids or very low turbidity values
- Dual validation approach for TSS measurement
- Optimised for specific sample requirements of normal, average, continuous capture & rapid qualitative evaluation
- Data stored within the meter for future manipulation and recall

Suspended Solids (TSS)

The use of turbidity as an indicator of Total Suspended Solids is well established and utilised widely in surface water, wastewater and environmental monitoring. The Compact Turbimeter allows the insertion of a site specific relationship between the two parameters, either as a factor or from correlated data, and subsequent use of the calibration for measurement of Total Suspended Solids (TSS).

User Interface

The Compact Turbimeter is simple and intuitive – switch on the instrument and the large backlit LCD screen displays a single selection menu:

- Readings – either turbidity (several modes) or Total Suspended Solids mode can be selected
- Calibration – using either SDVB standards (supplied), Formazin or Total Suspended Solids methods
- System – set Operator ID, sample ID, language, time/date plus interrogate the result & calibration logs.



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Specifications

- Model Number: CT12 Compact Turbimeter
- Ingress Protection: IP 67
- Weight: 340g (inc batteries)
- Dimensions (H x W x L): 50 x 82 x 225mm
- Temp/Humidity Limit: 0 - 50°C, 90%
- User Interface: Backlit LCD screen, four soft keys, power button
- Power: 2 'AA' batteries, 5000 readings average, power indication and auto-off
- Optical System: QuadoptiX™ system, 860nm LED source
- Reading Modes: Normal, Average (Short, Medium, Long), Continuous Capture, Rapid, Total Suspended Solids (TSS)
- Result Units: NTU, FTU, FNU, mg/l (TSS)
- Range: 0 - 1050 NTU
- Accuracy: 2% of reading
- Resolution: 0.01 NTU up to 9.99 NTU, 0.1 NTU up to 99.9 NTU, 1 NTU above 100 NTU
- Repeatability: 1%
- Cuvette Diameter: 25mm
- Turbidity Calibration: Four point using SDVB standards (provided) or Formazin
- TSS Calibration: Direct factor entry (up to 12) or correlation
- Operator ID: Alphanumeric, up to 12
- Sample ID: Alphanumeric, up to 12
- Languages: English, French, Spanish, German, Italian
- Result Log: 100 data points including time, date, Operator ID, Sample ID, measurement mode
- Calibration Log: Last 12 good calibrations including time, date, operator ID