



MANTECH

OPTIMIZE YOUR RESULTS. PROTECT OUR ENVIRONMENT.



T10 TURBIDITY METER



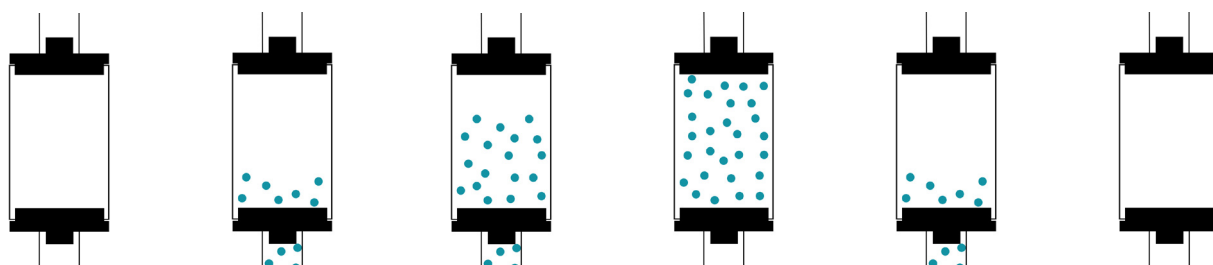
TURBIDITY SOLUTIONS

Turbidity, an optical measure of the amount of light that is scattered by floating solids when a light is shined through the water sample, is often used as a surrogate for total suspended solids (TSS) in drinking water and wastewater applications as indicator for water quality, colour and odour.

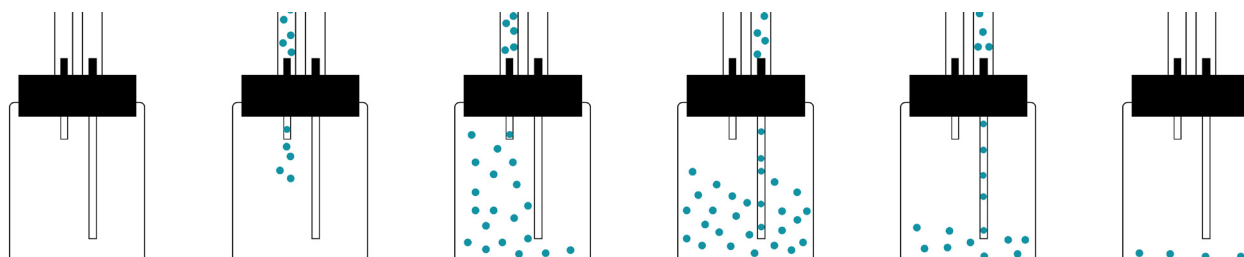
- ONLY 30ML SAMPLE VOLUME
- NON-DESTRUCTIVE ANALYSIS
- LOW-END PRECISION
- SPLASH-RESISTANT CASING
- 2-3 MINUTE ANALYSIS
- COMPACT AND HANDHELD

PREVENT SAMPLE CARRYOVER & DILUTION EFFECTS

MANTECH'S PROPRIETARY BOTTOM-IN BOTTOM-OUT DESIGN



STANDARD TOP-IN TOP-OUT DESIGN



SAME TECHNOLOGY, MULTIPLE CONFIGURATIONS

STANDALONE BENCHTOP



Only 114 x 198 x 83mm

FULLY AUTOMATED



Add an autosampler to fully automate along-side other parameters (e.g., pH, alk, EC).

PORTABLE



Add a carrying case and batteries to become portable for in-field work,



MANTECH Pro™ SOFTWARE

User-friendly and customizable MANTECH Pro™ software package is provided with all T10 Turbidity Meters **FREE** of charge.



- Customizable shortcut buttons for simplified operations
- Add pH, alkalinity, conductivity, COD, [and more](#) in one centralized application-based analyzer
- Real time analysis results display on screen
- Easy LIMS input and export capabilities
- Designed for [Windows 10 and 11 Pro OS](#) with built-in IT security features



SYSTEM FEATURES



FREE software package to easily manage results and run set up.



Request the smallest sample volumes from clients - **ONLY 30mL!**



Low-end precision (0-1000 NTU) for trusted and reliable results.



Long-lasting lamp with optional White Light or Infrared light sources.

T10 SPECIFICATIONS

MEASUREMENT METHOD	Ratio determination using a primary nephelometric light scatter signal (90°) to the transmitted light scatter signal
READING UNITS	NTU, EBC, FNU, FTU, TE/F
LAMP SOURCE	Tungsten Lamp (White Light); LED Lamp at 850nm (IR Light)
METHOD CONFORMITY	EPA 180.1, ASTM D1889, SM 2130B (White Light); ISO 7027 and EN27027 (IR Light)
DETECTOR	Silicon Photocell; Detectors at 90 and 180 degrees around the sample ensure all scattered light is measured
MEASURING RANGE	0.02 to 1000 NTU / 0 to 250 EBC / 0 to 1000 FNU, TE/F, FTU / 0 to 1000mg/L
RESOLUTION	0.01 on lowest range
ACCURACY	± 2% of reading: 0 to 1000 NTU
REPEATABILITY	± 0.4% of reading or ± 0.003 NTU
STRAY LIGHT	< 0.02 NTU
AUTOMATIC READING	With user-defined intervals 0 to 250 seconds
MAXIMUM UNCERTAINTY	± 2% of full scale
DISPLAY	LCD 2 lines / 16 characters / 5.9cm x 1.6cm
LANGUAGE	Multi-language
RESPONSE TIME	Programmable 6 to 41 sec
DATA LOGGER	Up to 1000 data
AUTO SHUT OFF	Programmable from 1 to 60 min
FAST CAL FUNCTION	Quick Calibration for single point
SOFTWARE FUNCTIONS	Signal averaging, "Fast Settling", results freezing, analyst and sample identification, calibration status, verification and calibration reminder, calibration history, password
SAMPLE REQUIRED	15 ml vial with lid
SAMPLE VIALS	Round borosilicate glass vial with screw and caps / Diameter 24.5mm Height 64mm
POWER SUPPLY	4 AA batteries or USB cable compatible with 100-240V 50/60Hz adaptors
INDICATOR	Low battery indicator / battery exchange
SERIAL OUTPUT	USB
STORAGE CONDITIONS	0 to 50°C (instrument only)
ENCLOSURE RATING	IP67 with lid open or closed
DIMENSIONS	114 x 198 x 83 mm



5473 HIGHWAY 6 NORTH
GUELPH, ONTARIO, CANADA
N1H 6J2

WWW.MANTECH-INC.COM
INFO@MANTECH-INC.COM

+1 (519) 763-4245
+1 (866) 763-2122

 @mantech_inc
 linkedin.com/company/mantech-inc-

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