



# MANTECH

OPTIMIZE YOUR RESULTS. PROTECT OUR ENVIRONMENT.



## T10 TURBIDITY METER

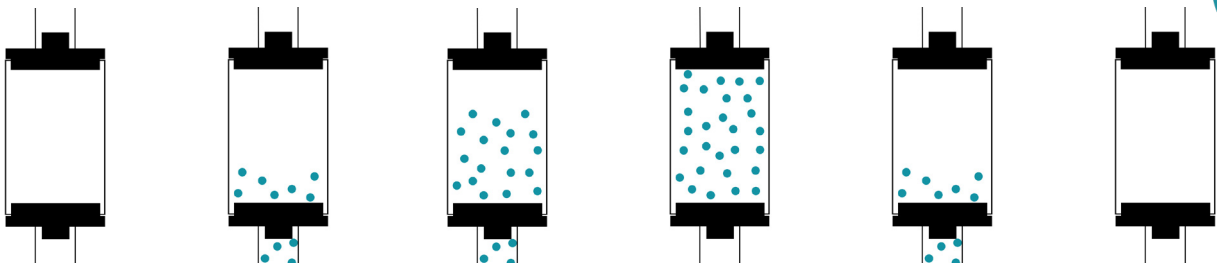
## TURBIDITY SOLUTIONS

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

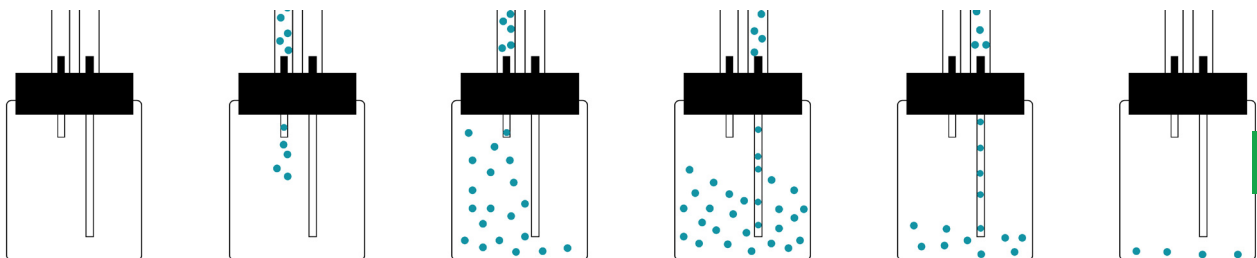
### PREVENT SAMPLE CARRYOVER & DILUTION EFFECTS

#### MANTECH'S PROPRIETARY BOTTOM-IN BOTTOM-OUT DESIGN



COMPLETELY  
EVACUATED

#### STANDARD TOP-IN TOP-OUT DESIGN



REMAINING  
PARTICLES

### SAME TECHNOLOGY, MULTIPLE CONFIGURATIONS

#### STANDALONE BENCHTOP



Only 114 x 198 x 83mm

#### FULLY AUTOMATED



Add an autosampler to fully automate alongside 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

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



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