

MTOL+ Online Process Turbidimeter

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

MTOL+™ Online Process Turbidimeter

Leading edge microprocessor technology combined with over 35 years of optical measurement expertise has allowed HF scientific to become the leader in regulatory reporting turbidimeters. The MTOL+ Online Process Turbidimeter has been specifically designed to meet regulations of EPA 180.1 and ISO 7027.

Features

- **Fast and Easy Calibration**
Primary calibration can be completed in less than 5 minutes.
- **Low Volume Sample Chamber**
Reduces calibration costs and provides quick response times.
- **Long Lasting Light Source**
Field replaceable if necessary.
- **Low Maintenance Fail Safe Design**
Simple modular design. Easy to operate & service. No external controller needed.
- **Bubble Rejection System**
Eliminates bubbles without delaying response time.
- **Value**
High quality with many features.

New Features

- Data logging and storage of 1 year's measurement and calibration data
- Variable user-selectable logging interval from 1 to 60 minutes
- Download data via USB
- Software updates via USB
- Isolated 4-20mA output standard
- 4-20mA and RS-485 Modbus outputs simultaneously
- Ultrasonic cleaning standard



Patented Ultrasonic Autoclean System

Keeps the optical chamber clean in finished or raw water applications.

HF scientific product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact HF scientific Technical Service. HF scientific reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on HF scientific products previously or subsequently sold.

Specifications

Range	0-100 NTU pre-calibrated
	0-10 NTU and 0-1000 NTU calibration files included on USB key provided
Measurement Principle	Nephelometry (90°)
Accuracy	2% of reading or +/- 0.02 below 40 NTU (whichever is greater) 5% of reading above 40 NTU
Resolution	0.001 (below 10 NTU) User-Selectable
Response Time	Fast Response : Adjustable Averaging
Standard Outputs	4-20mA isolated and RS-485
RS-485 Protocols	Modbus
User Alarms	2 user-selectable high/low/system alarms C Form
Light Source	White Light (krypton gas filled) or Infrared (860nm LED)
Operating Temperature	1°C-50°C (34°F - 122°F)
Input Pressure	1-101psi (7 bar) (built in regulator set at 15psi)
Display	Custom backlight LCD
Certifications	USEPA, ISO 7027, CE Approved

Specifications subject to change without notice.

Ordering Information

Cat. No.	Model	NTU Range	USEPA Method 180.1	ISO 7027
28053	White Light	0-100	x	
28052	Infrared	0-100		x

Accessories

39953	ProCal EPA Approved Primary Calibration Kit 0.02, 10 & 100 NTU
21555R	Desiccant Refill
50121	Flow Through Assembly, High Temperature (0-90°C)
20779S	Power Cord 120 VAC / 240 VAC



A WATTS Brand

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