

# MTOL+™

## Online Process Turbidimeter

Accurate, easy-to-calibrate online turbidity monitoring solution with a low cost of ownership

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.



**Patented Ultrasonic Autoclean System**  
Keeps the optical chamber clean in finished or raw water applications.



### New features include:

- EPA and ISO compliant models
- 0-10, 0-100, and 0-1000 NTU ranges
- Customizable data logging
- Simultaneous 4-20mA and Modbus signal outputs
- Ultrasonic cleaning
- USB port for downloading data and installing software updates
- Two programmable high/low/error alarms and optional flow alarm
- Instrument rated as IP65 for sealing
- Accommodates 1/2 inch conduit

## Specifications

Range	0-10 NTU pre-calibrated
	0-10 NTU and 0-1000 NTU firmware files included on USB flash drive 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 Modbus
User Alarms	2 user-selectable high/low/system alarms C Form
Light Source	White Light (tungsten filament, 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
Power Input	100-240VAC, 47-63Hz

\*24VDC option available

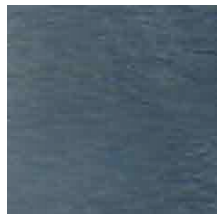
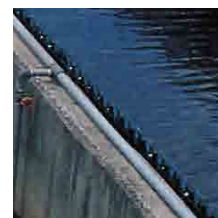
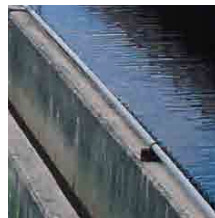
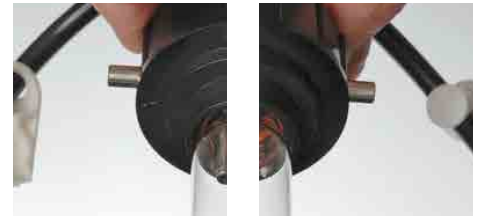
**Specifications subject to change without notice.**

## Ordering Information

Cat. No.	Model	NTU Range	USEPA Method 180.1	ISO 7027
28028	White Light	0-100	x	
28027	Infrared	0-100		x

## Accessories

39953	ProCal EPA Approved Primary Calibration Kit 0.02, 10 & 100 NTU
21555R	Desiccant Refill
20779S	Power Cord 120 VAC / 240 VAC
24166S	Replacement Ultrasonic Cuvette Assembly
28157	Mounting Plate Kit, Easy Mount & Hardware



**A WATTS Brand**

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