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 Auto-clean System

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

Pollution & Process Monitoring Ltd.,
Bourne Enterprise Centre, Borough Green,
Sevenoaks, Kent. TN15 8DG
phone: +44 (0) 1732-882044 mail: TOC@pollution-ppm.co.uk web: www.pollution-ppm.co.uk
Registered in England No: 2481148

Specification

Range	0-100 NTU pre-calibrated 0-10 NTU & 0-1000 NTU calibration files included on USB
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
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
50121	Flow Through Assembly, High Temperature (0-90°C)
20779S	Power Cord 120 VAC / 240 VAC
24166S	Ultrasonic Cuvette Assembly

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.

Pollution & Process Monitoring Ltd.,
Bourne Enterprise Centre, Borough Green,
Sevenoaks, Kent. TN15 8DG
phone: +44 (0) 1732-882044 mail: TOC@pollution-ppm.co.uk web: www.pollution-ppm.co.uk
Registered in England No: 2481148