

# HF scientific, inc.

Clean Water Through Innovative Technology

## Handheld Turbidimeters

### Micro/PW

### Micro/TPI

**WHITE LIGHT EPA  
ACCEPTED METHOD 180.1**

**INFRARED  
CONFORMS TO ISO 7027**



- Auto Ranging 0.01 to 1,100 NTU
- Extended Battery Life
- Waterproof
- Completely Self Contained

Designed to provide the ease of portability needed in the field with rugged durability, the MicroTPW / TPI is a necessity for anyone monitoring turbidity on the go. The shock resistant carrying case holds everything necessary for field operation while the instrument itself removes easily to go wherever it is needed. With a resolution of 0.01 NTU and an extended range to 1,100 NTU, the MicroTPW / TPI is a perfect partner for field use. Advanced HF microcircuitry design substantially increases lamp and battery life.

# MicroTPW / MicroTPI Handheld Turbidimeter

## Specifications

Conformance:	
<b>MicroTPW</b>	USEPA Method 180.1
<b>MicroTPI</b>	ISO 7027
Measurement Range:	Auto-Ranging from 0 - 1100 NTU
Principle of Operation:	Nephelometric
Certification:	CE, Designed to meet IP67 & NEMA 4X
Accuracy: (0-500 NTU)	± 2% of reading or ± 0.01 NTU
(500-1100 NTU)	± 3% of reading
Resolution:	0.01 NTU < 100 NTU 0.1 NTU < 100.0 - 999.9 NTU 1 NTU < 1000 - 1100 NTU
Response Time:	14 seconds
Display:	4 Digit (7 segment) LCD
Light Source:	
<b>MicroTPW</b>	White Light (Tungsten)
<b>MicroTPI</b>	Infrared - LED (860nm)
Power Supply:	4 -AAA Alkaline Batteries (over 5000 tests)
Sample Cells:	10mL
Materials:	
Instrument Case:	ABS - Injection Molded
Carry Case:	High Density Polyethylene blow molded
Shipping Dimensions:	28 x30.5 x 7.6 cm (11" x 12" x 3")
Shipping Weight:	1.22 kg (2.7 lbs)

## Standard Features

- **MicroTPW** - EPA ACCEPTED METHOD
- **MicroTPI** - CONFORMS TO ISO 7027
- **Rugged Self-Contained Carrying Case**  
Contains everything needed, including battery pack, manual, and PRIMEIME calibration standards. Ensures durability and convenience regardless of where the sample needs to be taken.
- **Waterproof**  
Water proof housing allows sample measuring and cleaning in any wet environment.
- **Auto Ranging 0 - 1100 NTU**  
Instrument senses turbidity level of sample and automatically adjusts to the appropriate measurement range.
- **Simple Calibration Procedures**  
Calibration initiated with the push of a button ensures accurate readings.
- **PrimeTime Standards Kit**  
Each MicroTPW Turbidimeter is shipped with an HF PrimeTime Calibration kit manufactured using USEPA and ISO 7027 Accepted Primary Standard materials\*.
- **Economical Cost**
- **Reusable Primary Standards**
- **Over 5000 Tests on a single set of 4 - AAA alkaline batteries.**
- **Lamp Life 7-10 years with normal use**
- **Built-In Self Diagnostics**
- **Manufactured in the USA.**

## Ordering Information

### Catalog No. Description

20000	<b>MicroTPW</b> White Light Portable Handheld Turbidimeter
20008	<b>MicroTPI</b> Infrared Portable Handheld Turbidimeter

The **MicroTPW / MicroTPI** includes carrying case, one set of PRIMEIME calibration standards, indexing rings, 4AAA alkaline batteries and measuring cuvettes with light shield caps.

## Accessories

29845	PRIMEIME Calibration Kit .02, 10, 1000 NTU
19856	Cuvettes with light shield caps, 3 pack

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**MicroTPW**  
with carrying case