



AQUASEARCHER™

Portable Turbidimeters



Easy Measurement for a Range of Applications from Drinking Water to Wastewater

AquaSearcher AP30TUR series portable turbidimeter combines two methods, eliminating the need to buy two different meters for your water measurement applications. This meter is equipped with dual optic paths and detectors to ensure accuracy to comply with industry standards. AP30TUR is built robustly for field applications.

Unique Features:

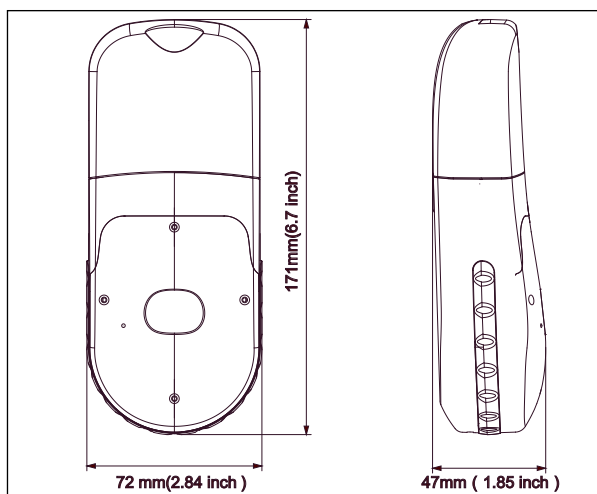
- **Compliance** – The AP30TUR combines the nephelometric method and transmitted method. Users will only need to purchase one AP30TUR meter to be compliant with ISO 7027 standard and EPA method 180.1.
- **Accuracy** – Equipped with dual optic paths and detectors with NIR light sources that eliminate color interferences and stray light to ensure great accuracy.
- **Durability** – AP30TUR is water-resistant, has a long battery life & can store up to 5000 measurements. Users can easily transfer data to a PC with USB connection without requiring additional software.

AQUASEARCHER™ Portable Turbidimeters

Specifications

Models	a-AP30TURL	a-AP30TURH
Parameter	Turbidity	
Turbidity Excitation Wavelength	IR LED	
Turbidity Optical System	0 / 180° transmittance and 90° scattered	
Turbidity Measuring Range	0 - 200 NTU	0 - 1000 NTU
Turbidity Reproducibility	≤0.1 NTU, 0 - 5 NTU; ±1%, 10 - 200/1000 NTU	
Turbidity Detection Limit	0.01 NTU	0.1 NTU
Turbidity Accuracy	≤0.2 NTU; ±5%, whichever is greater	≤0.3 NTU; ±8%, whichever is greater
Calibration	Up to 4 Points	Up to 8 Points or Optional standard
Sample Vials Compatibility	Round Ø25 mm	
Data Storage	5,000 Group	
Keyboard	Light-Touch keyboard	
Display	Graphic OLED	
Power	4 AAA Batteries (Included)	
Connectivity	Built-in micro-USB port	
Working Environment (metric)	5 - 40 °C, 80% RH, non-condensing	
Working Environment (imp.)	41 - 104 °F, 80% RH, non-condensing	
Storage Temperature	-10 - 55 °C (14 - 131 °F)	
Working Altitude	Up to 2000 m	
Pollution	Degree 2	
Dimensions (L x W x H)	171 × 72 × 47 mm	
Net Weight (imp.)	0.63 lbs (Basic unit)	
Net Weight (metric)	0.29 kg (Basic unit)	
Approvals	CE marked / RoHS Compliant	

Outline Dimensions



Accessories

Turbidity Standard a-AP30.....	30853479
Replacement vials, 5 pack a-AP30 25 mm.....	30853480
MicroUSB cable, pk/2 a-AP30.....	30853484
Cleaning brush pk/5	30727772
Cloth pk/4	30727773
Screwdriver pk/2	30727774
Cylinder 5 mL pk/2	30727776

Other Features and Equipment

- **Application Mode:** Environmental Analysis, Drinking Water Monitoring, Wastewater Monitoring, Laboratory Analysis, Industrial Water Control
- **Additional Features:** IP 65 rating, USB power supply

Compliance

- **Metrology:** CE / FCC CLASS-A

Packages

Each model is available in two configurations

a-AP30TURH-B
30853478
(1) a-AP30TURH-B Turbidimeter

a-AP30TURH-F
30853396
(1) a-AP30TURH-B Turbidimeter
(4) AAA Batteries
(4) Vials, 25 mm
(2) Cleaning brush
(2) Cloth
(1) Screwdriver
(1) Micro USB cable
(2) Cylinder 5 mL
(1) Carrying case

a-AP30TURL-B
30853397
(1) a-AP30TURL-B Turbidimeter

a-AP30TURL-F
30853395
(1) a-AP30TURL-B Turbidimeter
(4) AAA Batteries
(4) Vials, 25 mm
(2) Cleaning brush
(2) Cloth
(1) Screwdriver
(1) Micro USB cable
(2) Cylinder 5 mL
(1) Carrying case

