

AQUASEARCHER[™]

Photometers



For Quick and Easy Measurement of Water Samples in Field Applications

AquaSearcher AP50MM multi-function portable Photometer is designed intuitively to provide fast, reliable colorimetric and turbidity measurements. Its rugged single-handed design makes it perfect for field applications and the carrying case holds all test accessories. The AP50MM allows user to pre-program testing parameters to increase efficiency.

Unique Features:

- Fast and reliable tests AP50MM is equipped with a real-time dynamic display for each measurement, to provide fast, reliable results. It can record up to 30,000 datapoints with time and date stamp.
- Intuitive operation- built-in calibration curves provide automatic selection of appropriate wavelengths from the long-lasting LED light source. Store commonly used tests for efficient field use.
- User-Friendly large, backlit display makes it easier to read real-time results. Comes with a hard-shell carrying case with all accessories needed to perform tests in the field.

AQUASEARCHERTM Photometers **Specifications**

Model	a-AP50MM	
Source Lamp	Light Emitting Diode (LED)	
Fixed wavelength	365.0 nm; 420.0 nm; 455.0 nm; 525.0 nm; 560.0 nm; 570.0 nm; 630.0 nm	
Wavelength accuracy	± 1.0 nm	
Wavelength Selection	Automatic	
Photometric Accuracy	± 0.005 Abs @1.0 Abs Nominal	
Photometric Measuring Range	0 – 1.0 Abs	
Turbidity Excitation Wavelength	White and IR LED	
Turbidity Optical System	Nephelometric (90° scattered light)	
Turbidity Measuring Range	0 – 200 NTU	
Turbidity Reproducibility	1 NTU	
Turbidity Detection Limit	1 NTU	
Sample Cell Compatibility	Round Ø24 mm; Round Ø16 mm with adapter	
Data Storage	30,000 Group with Date, Time	
Display	Backlit Graphical LCD, 160 × 240 pixels	
Power	4 AA (LR6) Batteries (Included)	
Battery Life	6 months (typical) @25 readings a week	
Working Environment (metric)	4 – 41 °C , 85% RH, non-condensing	
Working Environment (imp.)	40 – 106 °F, 85% RH, non-condensing	
Storage Temperature	-18 – 60 °C (0 – 140 °F)	

 $265 \times 88 \times 62 \text{ mm}$

1.32 lbs (Basic unit)

0.6 kg (Basic unit)

CE marked / RoHS Compliant

Packages

Available in two configurations

a-AP50MM-B	
30853394	
(1) a-AP50MM-B Photometer	

a-AP50MM-F 30853393

- (1) a-AP50MM-B Photometer
- (4) AA Batteries
- (2) 24 mm replacement vials, 10 mL
- (2) 24 mm replacement vials, 25 mL
- (1) COD Adapter, for a-AP50MM
- (1) Briefcase AQUASEARCHER

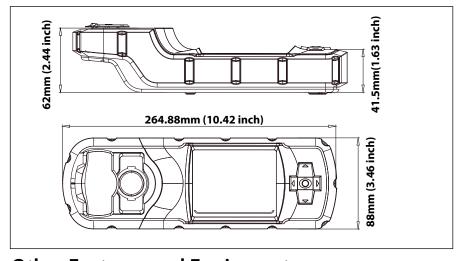
Outline Dimensions

Dimensions (L x W x H)

Net Weight (imp.)

Approvals

Net Weight (metric)



Other Features and Equipment • Application Mode: Multiparameter colorimetric and turbidity measurement

- Additional Features: EPA180.1.

Compliance

• Metrology: CE / FCC CLASS-A

Accessories

Accessories	
24 mm replacement vials pk/5, 10 mL	30853486
24 mm replacement vials pk/5, 25 mL	
COD Adapter, for a-AP50MM	
Briefcase AQUASEARCHER	
Cleaning brush pk/5	30727772
Cloth pk/4	
Screwdriver pk/2	
Cylinder 5 mL pk/2	
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The management system governing the manufacture of this product is ISO 9001:2015 certified.



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