

Low Range Online Turbidimeter

Aqua2000-TU90/UCX



Base on the
EPA 180.1

Easy to
Maintenance

90° scattered light measurement method based on the US EPA 180.1 standard. Equipped with a multi-bubble removal function, it enables real-time, continuous, and precise turbidity measurement of samples. Its natural gravity-flow sample structure, easy-to-operate detachable sensor and lamp module, secure waterproof design, and compact size ensure convenient installation and maintenance.



Contact Us

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Transmitter (UCX Controller)

Display	4.3" TFT LCD Touch Screen
Operating Temperature	-20 to 60°C (-4 to 140°F)
Power & Consumption	100 to 240 VAC 50/60 Hz, 4.2W (unconnected)
Sensor Connection	2 sensors
Current Output	Optional 4 to 20mA DC* 1 or 3ch
Relay	Optional: 3 Points
Sensor Input	RS485 Modbus
Communication	Optional: RS232C or RS485
Data Download	USB 2.0
Water Proof	IP66
Material	Case: ABS
Dimension	153(w) x 150(h) x 140(d) mm
Weight	1.32 kg
Storage Temperature	-5 to 60°C (-23 to 140°F) Original Package

TU90 (Sensor with Flow cell)

Method	US EPA 180.1 / 90° Scattered Tungsten Light
Measurement Range	0 to 100 NTU
Sample Temperature	2 to 60°C (35.6 to 143.6°F)
Flow Rate	0.1 to 0.8 L/min (0.026 to 0.211 gal/min) / Optimal: 0.3 L/min (0.079 gal/min)
Pressure	< 1 bar
Response Time	< 60 sec
Resolution	0.001 NTU
Accuracy	±2.0%
Repeatability	±2.0%
Calibration	1 point (sample) or 2 point (zero & sample) / Formazine Standard 180 mL
Light Source	Tungsten Lamp
Communication	RS485 Modbus
Material	Chamber: ABS, Sensor Body: CPVC
Storage Temperature	-5 to 60°C (-23 to 140°F) Original Package
Warranty/Maintenance (recommended)	Detector: 5 Years (Semi-permanent use) / Lamp: 3 Years Cleaning: 3 Months Recommended / Calibration: 1 Year Recommended