



EPSA-Turbi

Wide Range Turbidity Logger with Wiper



ATU75W-WFX



ATU75W-WFX-L

EP5A-Turbi

Model: ATU75W-WFX / ATU75W-WFX-L

■ Description

EP5A-Turbi is a reliable sensor for long time monitoring of extremely turbid waters. The dual sensors enables both medium (0 to 1,000 FTU) and high (0 to 100,000 ppm) turbidity measurements. With its mechanical wiper, the sensor surface is kept clean throughout the long-term observation period. This instrument is equipped with temperature and pressure sensor as standard set-up which is useful on focusing on tidal events and surrounding water masses.

■ Sensor specifications

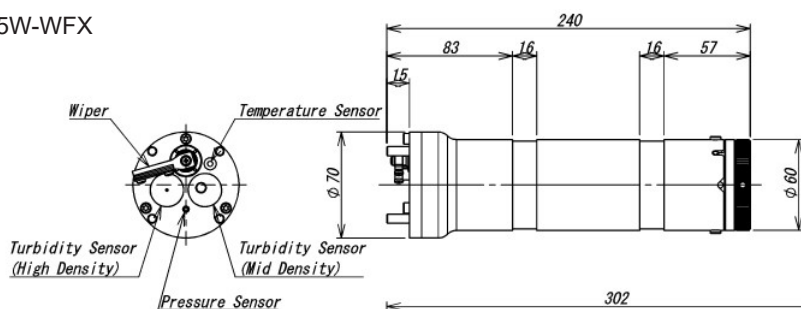
Parameter	Medium density turbidity sensor	High density turbidity sensor	Pressure	Temperature
Principle	IR Backscattering	IR Backscattering (Optical fiber)	Semiconductor	Thermistor
Range	0 to 1,000 FTU (Formazin reference)	0 to 100,000 ppm (Kaolin reference)	0 to 0.5 MPa	-3 to 45 °C
Resolution	0.03 FTU	2 ppm	0.00001 MPa	0.001 °C
Accuracy	±0.3 FTU or ±2 %	±10 ppm or ±5 %	Non-linearity ±0.05 % FS ±0.1 % FS (Repeatability)	±0.02 °C (3 to 31 °C)

■ Instrument specifications

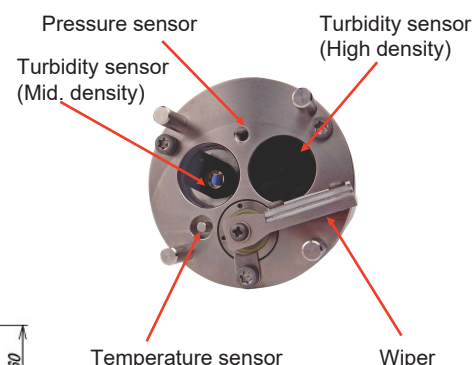
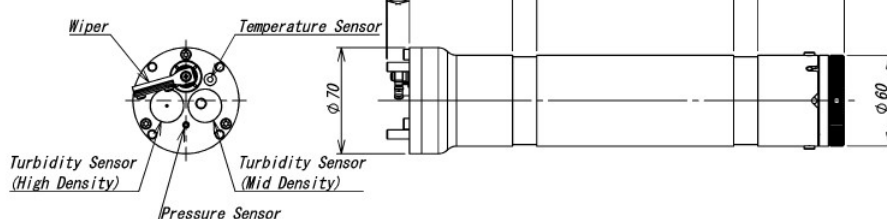
Model	ATU75W-WFX	ATU75W-WFX-L
Memory medium	1 GB built-in Flash memory	
Maximum data recordable	Approx. 15 million readings	
Measuring mode	Continuous, Burst	
Measuring interval	0.1 to 1 sec. (0.1 sec. increment) / 1 to 600 sec. (1 sec. increment)	
Burst sampling interval	1 to 1,440 min. (1 min. increment)	
Number of samples	1 to 18,000	
Power source	1.5 V AA alkaline battery / 1.5 V or 3.6 V (SAFT) AA lithium battery	
Number of batteries	Max. 6	Max. 12
Communication	USB 2.0 (ver. 1.1 compatible) / Connector: USB-C	
Housing material	Titanium (grade 2)	
Dimensions	Φ70 mm x 240 mm	Φ70 mm x 302 mm
Weight	Approx. 1.4 kg in air, 0.8 kg in water	Approx. 1.8 kg in air, 1.0 kg in water
Depth rating	50 m equivalent	

■ Drawing

ATU75W-WFX



ATU75W-WFX-L



※ Dimensions are in mm. ※ All specifications on this leaflet are subject to change without notice.



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