TURBIDITY

AK410 - Turbidity Max

Measuring turbidity is essential for evaluating water quality in different contexts, as it reflects the presence of suspended particles, such as clay, sediments, algae, and other organic and inorganic materials that can affect water quality and safety. High levels of turbidity can interfere with disinfection processes, indicate microbiological contamination and impair the efficiency of drinking water treatment. Therefore, turbidity monitoring is crucial in water and sewage treatment plants, drinking water distribution systems, and in the inspection of water sources, such as rivers and lakes.

Likewise, turbidity is an essential metric in industrial processes to ensure product quality, in aquaculture to provide suitable conditions for aquatic organisms, and in the food and beverage industry where product clarity is a quality requirement. Monitoring turbidity in such locations is not only an important compliance with safety and quality standards, but also improves effectiveness of operational processes.

It has a GLP (good laboratory practice) function, allowing you to check the date the product was calibrated, the standards used and the calibration expiration date (optional). It also has quick and easy user firmware updates, guaranteeing the longevity of your product.

2 years warranty against manufacturing defects
(Already includes the legal warranty)
(INSTRUMENT)

AKSO

SPECIFICATIONS

Measuring range:	0.01 to 9.99 NTU 10.0 to 99.9 NTU 100 to 1000 NTU
Resolution:	0.01 NTU (0.01 to 9.99 NTU) 0.1 NTU (10.0 to 99.9 NTU) 1 NTU (100 to 1000 NTU)
Accuracy:	± 0.2 NTU + 5% reading
Sample temperature:	15 to 35 °C
Sample volume:	15mL
Light source:	Light-emitting diode (LED)
Wavelength:	525nm
Adjustment:	5 points (0, 20, 200, 500, 800 NTU)
User ID:	9 options
Sample ID:	8 options
Memory	2000 log groups
Measuring cell:	Glass cuvette
Automatic shutdown:	After 2 minutes
Languages:	Portuguese, English, and Spanish
Operating Temperature:	0 to 50 °C
Operating humidity:	10 to 90 %RH (non-condensing)
Power:	3.7v battery rechargeable
Dimensions (WxHxD):	95x80x190mm
Weight:	300g (with battery)

Items included:

- 2 glass measuring cells (15mL) AK4550
- 1 USB-C cable
- 1 AK1075 AC/DC adapter
- 1 cloth for cleaning/drying the cuvettes
- 1 instruction manual
- 1 carrying case
- 1 adjustment standard kit (0, 20, 200, 500 and 800 NTU)

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