

## 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.

The AK410 portable turbidimeter is ideal for these applications, as it provides accurate turbidity measurements both in the field and in laboratories. The AK410 is supplied in a robust carrying case that includes sample calibration solutions of 0, 20, 200, 500 and 800 NTU, allowing accurate calibration in different turbidity ranges.



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

## 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	1000 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:	9v alkaline battery (non-rechargeable) or AC/DC adapter(5Vdc – 500mA)
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)