

CHLORINE METER

AK40 - Chlorine Tester

Chlorine measurement is essential to ensure water safety and quality in supply systems, industrial processes, agriculture, and treatment plants. Standards such as Ordinance GM/MS 888/2021 stipulate that distributed water must maintain at least 0.2 mg/L of free residual chlorine, while the maximum permissible limit is 5.0 mg/L, avoiding excessive odor and taste.

The AK40 Chlorine Tester performs accurate measurements from 0 to 3.50 ppm, using a colorimetric method adapted from US EPA 330.5 and 4500-Cl G, ensuring compliance and reliability. It offers instant readings, an OLED display, and interactive messages, making it ideal for quick analysis in the field or laboratory.



Highlights and applications:

Reliable accuracy: 0.01 ppm resolution and excellent accuracy.

Ideal for: public water supply, water treatment plants, food and beverage industries, fish farming, swimming pools, and spas.

Intuitive interface: interactive messages and battery level indicator.

Multilingual: available in four languages.

Reagents: uses liquid reagents with the DPD method (purchased separately).

TECNICAL SPECIFICATIONS:

Measuring range:	0.00 to 3.50ppm
Resolution:	0.01ppm
Accuracy:	± (0.05ppm + 3% reading)
Sample volume:	10mL
Light source:	Light emitting diode
Wavelength:	525nm
Measuring cell:	Glass cuvette
Automatic shutdown:	After 2 minutes
Display:	Oled
Languages:	Portuguese, English, Spanish, and Italian
Operating temperature:	0 to 50 °C
Operating humidity:	10 to 90 %UR (non condensation)
Power:	9Vdc (1 battery 9V)
Dimensions (LxAxP):	73 x 77 x 40mm
Weight:	120g (with battery)
Method:	Adaptation of the US EPA 330.5 colorimetric method and the 450 O-Cl G standard method for free and total chlorine measurements.

*Product complies with US EPA, DIN, and ISO standards for measuring free and total chlorine (4500- Cl G, DIN Standard, ISO 7393/2).

*GM/MS Ordinance No. 888 of May 4, 2021. *Reagents are purchased separately.

Included items:

- 2 glass cuvettes with caps (Ø18.8 mm x 68 mm) - AK4551
- 1 flannel cloth for cleaning and drying
- 1 carrying case

2 Years warranty against manufacturing defects
(Includes legal warranty)