

CHLORINE METER

AK41 - Chlorine+ Tester

The monitoring of chlorine in high concentrations is essential for industrial sanitation processes, especially in the food and beverage sectors, where chlorinated solutions between 50 and 200 ppm are used for sanitizing surfaces, utensils, and pre-washing stages. The AK41 Chlorine+ Tester was developed for these applications, operating in the expanded range of 0 to 500 ppm, surpassing the capacity of photometers designed for potability. Compact and with a high-visibility OLED interface, it allows for quick analysis in operational routines, ensuring reliability in sanitizing solution checks, CIP procedures, fruit and vegetable washing, and surface disinfection assessment.



Highlights and applications:

Reliable accuracy: 1 ppm resolution and excellent accuracy in high concentration ranges.

Four-point adjustment: 0, 100, 300, and 500 ppm.

Intuitive interface: OLED display with interactive messages and battery level indication.

Multilingual: available in four languages.

Ideal for: food and beverage industries, surface sanitization, disinfection, food and equipment washing, preparation and verification of chlorinated solutions.

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

TECNICAL SPECIFICATIONS:

Measuring range:	0 to 500 ppm
Resolution:	1 ppm
Accuracy:	± (5ppm + 5% reading)
Adjustment:	4 points (0, 100, 300, 500 ppm)
Sample temperature:	15 to 35 °C
Volume for analysis:	10mL
Light source:	LED
Wavelength:	525 nm
Measuring cell:	Glass cuvette
Automatic shutdown:	After 2 minutes
Display:	Oled
Languages:	Portuguese, English, Spanish, 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 40 mm
Weight:	120g (with battery)
Method:	Colorimetric method

Included items:

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

2Years warranty against manufacturing defects
(Includes legal warranty)