

## IRON METER AK46 - IRON TESTER

Measuring iron in water is key in a variety of settings. In drinking water, high iron levels can cause aesthetic problems, such as stains on clothes and plumbing, as well as alterations of water taste and color. Additionally, iron can impact health if consumed in large quantities, although it is generally not toxic in normal concentrations. In the industrial setting, monitoring iron is important to prevent damage to equipment and processes. High levels of iron can cause blockages and corrosion in water systems, compromising the efficiency of processes and the quality of manufactured products. In aquaculture systems, measuring iron helps maintain a healthy environment for aquatic organisms, as inadequate levels can harm their growth and health. Akso's AK46 Iron Tester is a compact and easy-to-use pocket photometer that provides instant readings with a user-friendly digital interface, interactive display messages and battery percentage indication. Available in four languages — English, Spanish, Italian and Portuguese — this instrument is ideal for monitoring the presence of iron in various applications, ensuring iron levels are within desired parameters.



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

**6** months warranty against manufacturing defects  
(Already includes the legal warranty)  
(PROBE)

## SPECIFICATIONS

Measuring range:	0 to 4 ppm
Resolution:	0.01 ppm
Accuracy:	$\pm 0.04$ ppm + 2% reading
Sample temperature:	15 to 35 °C
Sample volume:	10mL
Light source:	Light-emitting diode
Wavelength:	525nm
Measuring cell:	Glass cuvette
Operating Temperature:	0 a 50 °C
Operating humidity:	10 to 90 %RH (non-condensing)
Power:	9Vdc (1 9V battery)
Dimensions (WxHxD)	73 x 77 x 40 mm
Weight:	120g (with battery)

## Items included:

- 2 glass cuvettes with lids (Ø18.8 mm x 68mm)
- 1 flannel cloth
- 1 plastic carrying case
- 1 instruction manual