

QUIMICOMPANY

EQUIPOS E INSUMOS PARA LABORATORIO

APERA
INSTRUMENTS

PORTABLE HANDLED PH/CONDUCTIVITY/ TDS/SALINITY/RESISTIVITY METER KIT

REF: SX723



Apera SX723 is designed for lab-grade measurement of up to 6 water quality parameters in the field, including pH, conductivity, TDS, salinity, and resistivity. It is suitable for general water solutions' applications such as water treatment, groundwater, surface water, hydroponics, environmental monitoring, aquaculture, aquarium, beverage making, etc.

Basic Features

- **Intelligent functions:** auto. calibration, auto. temperature compensation, self-diagnosis, data logging, auto. power off, and more.
- **Digital filter technology:** enhance the meter's response time and measurement accuracy
- **Automatic electrode recognition:** the meter automatically switches to the right parameter mode according to the connected electrode
- **Data logging:** 300 sets of data storage and recall
- **Built tough:** IP57 water-resistant structure, ideal for use in harsh environment

Complete Kit

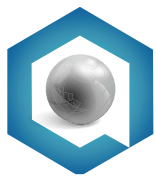


1. SX723 pH/conductivity meter
2. 201T-S pH/temp. electrode
3. 2301T-S conductivity/temp electrode
4. pH buffer (4.00)
5. pH buffer (7.00)
6. pH buffer (10.01)
7. 1413 μ S conductivity solution
8. Backup batteries*2
9. Screw driver
10. User Manual

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Data Logger



Automatic Compensation
for Higher Accuracy



pH Electrode

The 201T-S pH/temp. electrode is featured with fast response and high accuracy. This electrode is suitable for general water solutions' pH testing.



Easy Calibration
Quick response and short
polarization time



IP57 waterproof



Conductivity Electrode

2301T-S Conductivity Electrode (K=1.0) is featured with a proprietary platinum black sensor for accurate readings in a wide conductivity range up to 200 mS/cm



Waterproof 8-pin Connector

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Technical specifications

Parameters		Description
pH	Measurement range	(-2.00 to 19.99) pH
	Resolution	0.1/0.01 pH
	Accuracy	±0.01pH±1 digit
	Input current	≤2×10 ⁻¹² A
	Input impedance	≥1×10 ¹² Ω
	Temp. compensation range	(0 to 100) °C (automatic)
Conductivity	Measurement range	Conductivity: (0.00 to 19.99) μS/cm (20.0 to 199.9) μS/cm (200 to 1999) μS/cm (2.00 to 19.99) mS/cm (20.0 to 199.9) mS/cm TDS: (0 to 100) g/L; Salinity : (0 to 100) ppt Resistivity: (0 to 100) MΩ·cm
	Resolution	0.01/0.1/1μS/cm; 0.01/0.1 mS/cm
	Accuracy	±1.0% F.S
	Temp. compensation range	(0 to 50) °C (automatic)
	Electrode constant	0.1 / 1 / 10 cm ⁻¹
	Reference temperature	25°C, 20°C, and 18°C
Other Technical Parameters	Data storage	200 sets
	Data content	Serial number, measurement value, measurement unit, and temperature
	Power Supply	Two AA alkaline batteries (1.5V x2)
	Dimensions and weight	Meter: (65×120×31) mm/180g Complete Kit: (255 x 210x 50) mm/1760g
	Quality and safety certification	CE, ISO 9001:2015
Working Condition	Working temperature	5 to 50°C
	Working humidity	≤85%
	IP rating	IP57 water-resistant