

PORTABLE PH/ CONDUCTIVITY METER

REF: PC850

Main Features

- Quick and easy 1- to 3-point auto. calibration
- Slope data display reminds of the pH electrode condition
- Simultaneous measurement of pH/conductivity/TDS/Temp
- Complete settings for standard series, resolution, stability criteria, conductivity cell constant, TDS conversion factor, and more

Rubber boot protection



With calibration guide and self diagnosis function



IP57 waterproof rating



Ergonomic design



Rubber caps protecting the connectors



foldable holder; Use as a benchtop meter.



Operation guide on the back



201T-F pH Electrode and
2301T-S Conductivity Electrode

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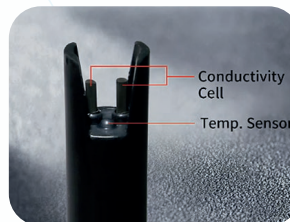
201T-F pH Electrode

- ♦ Fast
- ♦ Accurate
- ♦ Stable



pH electrode is the fundamental component that determines the measuring performance of a pH meter. The proprietary lithium glass membrane of Apera 201T-F pH Electrode ensures to provide accurate and stable signals to the PH850 meter such that you can have confidence in the readings you take.

Conductivity Electrode



The equipped Apera 2301T-S Conductivity Electrode is built with a proprietary firm platinum black cell, which ensures high accuracy ($\pm 1\%$ F.S) in an ultra-wide range (0 to 200 mS/cm or 200,000 μ S/cm). The built-in temp. sensor enables ATC of the meter and the PVC body makes it resistant to corrosions.

Suitable for lab-use as well



The foldable stand allows usage as a benchtop

Build tough

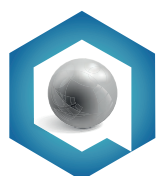


The IP57 water-resistant structure makes the meter ideal for use in harsh environment. The rubber sleeve protects the instrument from general impact and gives you a firm grip.

Kit includes



1. User Manual
2. Carrying case
3. PC850 meter
4. pH 4.00 calibration solution
5. pH 7.00 calibration solution
6. pH 10.01 calibration solution
7. 84 μ S calibration solution
8. 1413 μ S calibration solution
9. 12.88 mS calibration solution
10. Screw driver
11. 201T-F pH electrode
12. 2301T-S conductivity electrode



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Technical specification

Parameters		Description
pH	Range	0 to 14.00 pH
	Resolution	0.1/0.01 pH
	Accuracy	±0.01 pH±1 digit
	Temp. compensation	0 to 100°C(32 to 212°F), automatic or manual
	Automatic calibration	1 to 3 points
	Buffer standard	USA/NIST
	Stability setting	Yes
mV	Range	±1000mV
	Resolution	1 mV
	Accuracy	±0.2% FS ±1 digit
Conductivity	Range	0 to 200.0 mS/cm
	Resolution	0.01/0.1/1µS, 0.01/0.1mS
	Accuracy	±1%FS±1 digit
	Electrode constant	0.1/1.0/10.0 cm-1
	Auto temp. compensation	0 to 50°C, 32 to 122°F
	Reference temperature	15 to 30°C
	Temp. compensation coefficient	0 to 9.99%/°C
	Calibration	1 to 3 points automatic
	Calibration standard	Standard
TDS	Range	0.1mg/l to 100 g/l
	TDS coefficient	0.40 to 1.00
Salinity	Range	No
Temp.	Range	0 to 100°C, 32.0 to 212°F
	Resolution	0.1 °C, 0.1/1 °F
	Accuracy	±0.5°C±1 digit, ±0.9°F±1 digit
Fuction	Display	LCD (no backlight)
	Stable measuring indication	with icon
	Automatic hold	Yes
	Date and time	N/A
	Data storage	N/A
	Auto. timing datalogger	N/A
	Self-diagnosis	Yes
	USB output	N/A
	Electrode connection	pH: BNC; Conductivity: 4 pin connector; Temp: RCA
	IP rating	IP57 waterproof
Others	Power	AA battery (1.5V×3)
	Dimension/weight only meter	88×170×33mm/313g
	Dimension/weight with case	360×270×76mm/1.3kg