

STALWART

Benchtop pH/Conductivity Meter SPC-73



Introduction

6.5-inch LED screen with concise and friendly-use interface. Omron long lasting and light touch key can be used more than 100,000 times.

Features

1. 6.5-inch LED screen with concise and friendly-use interface.
2. Built-in microprocessor chip has Intelligent functions such as automatic calibration, ATC, data storage, clock display, USB output, function settings, wireless printing, and self-diagnosis information, etc.
3. It supports wireless bluetooth printing. Real-time data transfer to mobile phone via bluetooth is optional.
4. Smart electrode status display to ensure accurate use.
5. Adopt advanced conductivity measurement technology, with conductivity electrode (K=1), it can meet measuring accuracy requirement for range of $0.5\mu\text{S}/\text{cm} \sim 200\text{mS}/\text{cm}$.
6. Ability to switch among conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full range.
7. Omron long lasting and light touch key can be used more than 100,000 times.
8. Auto recognition of 25 buffers with three kinds of options: Europe & USA, NIST and China. Auto recognition of 8 conductivity standard solution with 2 kinds of options: Europe & USA, and China.
9. Can store 1000 sets of test data, which can be saved and transferred to USB memory stick and opened with Excel.



Specification

Model		SPC-73
pH	Measurement range	(-1.999 ~ 19.999)pH
	Resolution	0.1/0.01 pH
	Accuracy	Electrode : ± 0.02 pH
	Input current	$-12, \leq 1 \times 10^{-12}$ A
	Input impedance	$12, \geq 3 \times 10^{12}$ Ω
	Stability	± 0.02 pH/3h
	Temperature compensation	(0 ~ 100) °C, auto or manual
mV	Measurement range	(-1999.9 ~ 0 ~ 1999.9) mV
	Resolution	0.1 mV
	Accuracy	$\pm 0.03\%$ FS

Conductivity	Measuring range	Conductivity:
		(0.00~20.00) μ S/cm
		(20.0~200.0) μ S/cm
		(200~2000) μ S/cm
		(2.00~20.00)mS/cm
		(20.0~200.0)mS/cm
		(200~2000)mS/cm(K=10)
		TDS:(0 ~ 100)g/L
		Salinity:(0 ~ 100)ppt
	Resistivity:(0 ~ 100)M Ω ·cm	
Resolution	0.01/0.1/1 μ S/cm; 0.01/0.1/1mS/cm	
Accuracy	Electrode: \pm 0.5% FS, Meter: \pm 0.8% FS	
Temp. compensation range	(0 ~ 50) $^{\circ}$ C, Auto	
Electrode constant	0.1/0.5/1/5/10/50/100 cm	
Reference Temp.	25 $^{\circ}$ C, 20 $^{\circ}$ C, 18 $^{\circ}$ C	
Temperature	Range	(-10 ~ 110) $^{\circ}$ C
	Resolution	0.1 $^{\circ}$ C
	Accuracy	5 ~ 60 $^{\circ}$ C: \pm 0.4 $^{\circ}$ C Others: \pm 0.8 $^{\circ}$ C
Other Parameters	Display	6.5-inch LED screen
	Data storage	1000 sets
	Power	12V (110-220, 50-60Hz adapter)
	Communication interface	USB, RS232, Bluetooth
	Dimensions & Weight	240 \times 170 \times 70mm/600g
Working Conditions	Temperature	5 ~ 35 $^{\circ}$ C
	Humidity	\leq 80%
	IP grade	IP54
Meter Kits	1) pH & Conductivity Meter	
	2) Electrode holder	
	3) pH composite electrode	
	4) Conductivity electrode (K=1)	
	5) Temperature probe	
	6) pH buffer solution	
	7) Power adapter	