Buffer Table

℃	PH4.00	PH6.86	PH9.18	℃	PH4.00	PH6.86	PH9.18
0	4.01	6.98	9.46	45	4.04	6.83	9.04
5	4.00	6.95	9.39	50	4.06	6.83	9.02
10	4.00	6.92	9.33	55	4.07	6.83	8.99
15	4.00	6.90	9.28	60	4.09	6.84	8.97
20	4.00	6.88	9.23	65	4.11	6.84	8.95
25	4.00	6.86	9.18	70	4.12	6.85	8.93
30	4.01	6.85	9.14	80	4.16	6.86	8.89
35	4.02	6.84	9.10	90	4.20	6.88	8.86
40	4.03	6.84	9.07	95	4.22	6.89	8.84

Warranty

This instrument is guaranteed from all defects in material and production for a period of one year from the date of purchase. If during these periods the repair or the replacement of the instrument is required and the damage is not due to negligence or erroneous operation by the user, please return the instrument to either your dealer or to our offices, and the repair will be effected free of charge.

PH-25S

PH/Temperature Meter



OPERATION MANUAL

General Description

The PH-25S PH meter has been specially designed for the maximum facility of use. The display on the front panel reveals the temperature and PH readings taken by the instrument.

Specifications

Range:	PH	0.00 ~ 14.00PH
	Temperature	-9.9~99.9℃
		-16~210℉
Resolution:	PH	0.01PH
	Temperature	0.1℃ 0.1℉(16℉~99℉) 1℉(100℉~210℉)
Accuracy:	PH	±0.05PH
	Temperature	±1 ℃ ±2℉
Input Resistance:	$10^{12}\Omega$	
Calibration:	1point or 2point	
Power:	DC9V 200mA	
Dimensions:	208 × 200 × 76mm	
Operating Conditions :	Temperature: 5~50℃	Humidity: 95% maximum
No disturbance of magnetic field or distinct tremble around instrument.		
Weight:	390g	

Interfaces and Switch

This instrument has 3 functional interfaces and each of them is only to fit with its own plug.

【POWER】 power interface 【PH/ORP】 electrode interface
【TEMP】 temperature sensor interface
【ON/OFF】 power switch 【℃/℉】 ℃ or ℉ switch

Operation

· Turns on the PH electrode、 the temperature sensor and the power source. Choice temperature pattern. turn the meter ON by pressing the ON/OFF switch.

· Remove the electrode protective cap, then submerge the PH electrode and the temperature probe into the sample to be tested.

· Stir gently and wait for the stability symbol.

· After use, rinse the electrode with clean water, replace the electrode protective cap.

PH Calibration

· Pour a small quantity of PH6.86 and 4.01(or PH9.18)solution into clean beakers.

· For a particularly accurate calibration, it is advised to use two beakers for each buffer solution .The first is to be used for rinsing the electrode, the second is to be used for the calibration, in this way, the risks of contaminating the buffer solution are reduced to a minimum.

· Switch on the instrument, then immerse the PH electrode and temperature probe into PH 6.86 buffer solution and then shake briefly

· Regulate the trimmer found in the lower left hand position with a screwdriver until the buffer solution value corresponding to the measurement temperature is obtained.

· Immerse the electrode into a PH4.01 or PH9.18 buffer solution, and briefly shake the electrode.

· After about one minute, regulate the trimmer found in the lower right hand position until the buffer solution value corresponding to the measurement temperature is obtained.

· The calibration of the instrument′ s PH range is now complete.

Important:

The instrument′ s PH range must be re-calibrated whenever.

· The electrode has been replaced.
· Approximately one mouth has passed from the last calibration.
· The electrode has been used in particularly taxing conditions.
· The utmost accuracy is required.

Maintain electrode and instrument

1.Keep the electrode pin dry and clean.
2.Wash the electrode every time before you use. Then put it in 3mol/L KCL solution.
3.The electrode which is use to measure solution should not be dipped in distilled water , protein solution or other solution for long time.