I400F pH or Ion Meter

Features

- High resolution LCD display, 5.7 inches.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Data Storage 500 sets (GLP-compliant).
- Support for USB or RS-232 communication.
- Reset feature automatically resumes all settings back to factory default options.
- IP54 waterproof.

pH

- 1-5 points calibration with Standard Recognition.
- Selectable pH buffer groups, including NIST, DIN, GB, USA, and MERK.
- Automatic electrode diagnosis with pH slope and offset display.

Ion

- 1-5 points calibration.
- Selectable measurement unit, including pg/L, mg/L, g/L, mmol/L, pX, ppm, ppb, etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F^-, Cl^-, Br^-, I^-, NO_3^-, BF_4^-, NH_4^+, K^+, Na^+, Ca^{2+}, Cu^{2+}, Pb^{2+}, Ag^+ and etc., user-defined method is supported.

Includes

- ★ JB-10 stirrer
- ★ REX-5 electrode stand

Specifications

Model		I400F	
Parameters		pH/ISE/Temp.(mV/pX)	
pH	Range	-2.000 to 20.000 pH	
	Resolution	0.1, 0.01, 0.001pH	
	Accuracy	±0.002 pH	
	Calibration Points	Up to 5	
	Standard Customization	Yes	
	Standard Recognition	NIST, GB, DIN, USA and MERK buffers	
	Slope Limit	Yes	
mV	Range	-2000.00 to 2000.00 mV	
	Resolution	0.1, 0.01 mV	
	Accuracy	±0.1 mV or ±0.03% of reading whichever is greater	
pX	Range	-2.000 to 20.000 pX	
	Resolution	0.1, 0.01, 0.001 pX	
	Accuracy	±0.002 pX	
	Calibration Points	Up to 5	

ISE	**Range**	**1.000e-9 to 9.999e+9**	
	Unit	**mol/L, mmol/L, g/L, mg/L, pg/F, ppm, ppb**	
	Resolution	**Up to 4 significant digits**	
	Accuracy	**±0.3%**	
	Calibration Points	**Up to 5**	
Temperature	**Range**	**-10 to 135 °C, 14 to 275 °F**	
	Unit	**°C, °F**	
	Resolution	**0.1**	
	Accuracy	**±0.1°C**	
Measurement	**Reading Mode**	**Auto Read (Fast, Medium, Slow), Timed, Continuous**	
	Reading Prompts	**Reading, Stable, Focked**	
	Temp. Compensation	**ATC, MTC**	
Data management	**Data Storage**	**500 results each**	
	GUP Features	**Yes**	
Inputs	**pH Electrode**	**BNC(Q9)**	
	Temp. Probe	**4-pin aviation connector**	
Outputs	**USB**	**PC**	
	RS 232	**printer**	
Display options	**Backlight**	**Yes**	
	Auto Shutdown	**1~60 min, off**	
	IP Rating	**IP54**	
	Date and Time	**Yes**	
General	**Power**	**AC Adapter, 100-240V AC input, DC9V output**	
	Dimensions	**242x195x68 mm**	
	Weight	**900g (1.98 lb)**	
	Dimensions (Carton)	**370x320x220 mm**	
	Weight (Gross)	**3.5 kg**	