I310T pH/Ion Meter

Features

- Color High contrast LCD touchscreen, 4.3 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 capacity of up to 500 sets for each parameter (GLP-compliant).
- Support for USB communication.
- Auto-power off feature effectively extends the battery service life.
- Reset feature automatically resumes all settings back to factory default options.
- IP65 waterproof. The portable meter is suitable for fields measurements and out door measurements.

pH

- 1-5 points calibration with Standard Recognition.
- Selectable pH buffer groups, including NIST, DIN, GB, USA.
- 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.
- 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^-, NOy, BFy, NH_4^+, K^+, Na^+, Ca^{2+}, Cu^{2+}, Pb^{2+}, Ag^+ and etc., user-defined method is supported.method is supported.

Includes

- ★ Electrode holder
- ★ Silicone rubber case
- ★ Wristbands
- ★ Touch pen
- ★ Carrying Case

Specifications

Model		I310T
Parameters		pH/ISE/Temp.(mV/pX)
pH	Range	-2.00 to 20.00pH
	Resolution	0.1, 0.01 pH
	Accuracy	±0.01 pH
	Calibration Points	Up to 5
	Standard Customization	Yes
	Standard Recognition	NIST, GB, USA and DIN buffers
	Slope Limit	Yes
mV	Range	-2000.0 to 2000.0 mV
	Resolution	0.1 mV
	Accuracy	±0.3 mV or ±0.1%
pX	Range	-2.00 to 20.00 pX
	Resolution	0.1, 0.01 pX
	Accuracy	±0.02 pX
	Calibration Points	Up to 5

ISE	Range	**1.000e-9 to 9.999e+9**
	Units	**mol/L, mmol/L, g/L, mg/L, pg/F, ppm, ppb**
	Resolution	**Up to 4 significant digits**
	Accuracy	**±0.5%**
	Calibration Points	**Up to 5**
Temperature	Range	**-5 to 110 °C, 23 to 230 °F**
	Unit	**°C, °F**
	Resolution	**0.1**
	Accuracy	**±0.2°C**
Measurement	Reading Mode	**Auto Read (Fast, Medium, Slow), Timed, Continuous**
	Reading Prompts	**Reading, Stable, Uocked**
	Temp. Compensation	**ATC, MTC**
Data management	Data Storage	**1000 Groups**
	GUP Features	**Yes**
Inputs	pH Electrode	**BNC(Q9)**
	Temp. Probe	**4-pin aviation connector**
Outputs	USB	**PC, printer**
Display options	Backlight	**Yes**
	Auto Shutdown	**300, 600, 1200, 1800, 3600sec., off**
	IP Rating	**IP65**
	Date and Time	**Yes**
General	Power	**Rechargeable Fithium battery, AC Adapter, 100-240V AC input, DC5V output**
	Dimensions	**90 x 255 x 40 mm**
	Weight	**500g (1.1 lb)**
	Dimensions (Carton)	**410x330x165 mm**
	Weight (Gross)	**5.5 kg**