

## I310T pH/Ion Meter



### GENERAL 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 µg/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<sup>-</sup>, Cl<sup>-</sup>, Br<sup>-</sup>, I<sup>-</sup>, NO<sub>3</sub><sup>-</sup>, BF<sub>4</sub><sup>-</sup>, NH<sub>4</sub><sup>+</sup>, K<sup>+</sup>, Na<sup>+</sup>, Ca<sup>2+</sup>, Cu<sup>2+</sup>, Pb<sup>2+</sup>, Ag<sup>+</sup> and etc., user-defined method is supported.

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
mV/ORP	Slope Limit	Yes
	Range	-2000.0 to 2000.0 mV
	Resolution	0.1 mV
pX	Accuracy	± 0.3 mV or ± 0.1%
	Range	-2.00 to 20.00 pX
	Resolution	0.1, 0.01 pX
	Accuracy	± 0.02 pX
ISE	Calibration Points	Up to 5
	Range	1.000e-9 to 9.999e+9
	Units	mol/L, mmol/L, g/L, mg/L, µ g/L
	Resolution	Up to 4 significant digits
	Accuracy	± 0.5%
Temperature	Calibration Points	Up to 5
	Range	-5 to 110 °C, 23 to 230 °F
	Unit	°C, °F
	Resolution	0.1
Measurement	Relative Accuracy	± 0.2
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
Data management	Temp. Compensation	ATC, MTC
	Data Storage	1000 Groups
Inputs	GLP Features	Yes
	pH Electrode	BNC(Q9)
Outputs	Temp. Probe	4-pin aviation connector
	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 Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	90 x 255 x 40 mm
	Weight	500g (1.1 lb)