

INE-I310T
pH/Ion Meter



GENERAL FEATURES

- ✧ LCD display screen, 3.5 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.
- ✧ 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, 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⁻, NO₃⁻, BF₄⁻, NH₄⁺, K⁺, Na⁺, Ca²⁺, Cu²⁺, Pb²⁺, Ag⁺ and etc., user-defined method is supported.

Standard Accessories

- 1 Suitcase
- 2 Electrode holder
- 3 Stylus, Wristband

PRODUCT SPECIFICATIONS

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 and DIN buffers
	Slope Limit	Yes
mV/ORP	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	1E-9 to 9.999E9
	Units	mol/L, mmol/L, g/L, mg/L, µg/L
	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
	Relative Accuracy	±0.2
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	1000 Groups
	GLP 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 Lithium battery, AC Adapter, 100-240V AC input, DC5V output
	Dimensions	90 x 255 x 40 mm
	Weight	500g (1.1 lb)

Optional Accessories

1	ISE probe (ISE-2910, etc)	Single + reference, such as F- Ion, CL- Ion, Br- Ion, I- Ion, Cu ²⁺ Ion, Pb ²⁺ Ion, K ⁺ Ion, NH ₄ ⁺ Ion, NO ₃ ⁻ Ion, Ca ²⁺ Ion, BF ₄ ⁻ Ion, Na ⁺ Ion, PNH ₃ -1-01, Li ⁺ Ion
2	ISE probe (ISE-2910H, etc)	Single + reference + solution, such as F- Ion, CL- Ion, Br- Ion, I- Ion, Cu ²⁺ Ion, Pb ²⁺ Ion, K ⁺ Ion, NH ₄ ⁺ Ion, NO ₃ ⁻ Ion, Ca ²⁺ Ion, BF ₄ ⁻ Ion, Na ⁺ Ion, PNH ₃ -1-01,
3	PH-2-011	two in one, plastic, filling
4	PH-2-021	two in one, plastic, un-filling
5	PH-2-211	two in one, plastic, filling, spear
6	PH-2-111	two in one, plastic, filling, flate
7	PH-2-022	two in one, glass, filling
8	PH-2-052	three in one, stainless steel, filling
9	PH-3-320	three in one, plastic, filling
10	PH-3-022	three in one, glass, filling
11	PH-3-052	three in one, stainless steel, filling
13	ORP-2-510	two in one, Ag/AgCL plastic, un-filling
14	ORP-2-511	two in one, Ag/AgCL glass, un-filling
15	ORP-2-503	two in one, Saturated Calomel, glass, un-filling
16	PH-2221	0-80°C, pure-water
17	PH-2201	0-80°C, accuracy 0.01pH
18	PH-2102	sticky sample
19	PH-2224	0-100°C
20	ATC-811	Temperature
21	pH buffer	PH 4.01, PH 7.00, PH 10.01--power
22	pH buffer	PH 4.01, PH 7.00, PH 10.01—250mL for one
23	Jb -12 or JB-13	Stirrer