



I300F pH/Ion Meter



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.

GENERAL 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.

Ion

- 1-5 points calibration.
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , PX , 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.

Model		I300F
Parameters		pH/ISE/Temp.(mV/pX)
pH	Range	-2.00 to 20.00 pH
	Resolution	0.1, 0.01 pH
	Accuracy	± 0.01 pH
	Calibration Points	Up to 5
	Standard Customization	Yes
	Standard Recognition	NIST, GB, DIN, USA and MERK buffers
mV	Slope Limit	Yes
	Range	-2000.0 to 2000.0 mV
	Resolution	0.1, 0.01 mV
pX	Accuracy	± 0.1 mV or $\pm 0.03\%$ of reading whichever is greater
	Range	-2.00 to 20.00 pX
	Resolution	0.1, 0.01 pX
ISE	Accuracy	± 0.01 pX
	Calibration Points	Up to 5
	Range	1E-9 to 9.999E9
	Unit	mol/L, mmol/L, g/L, mg/L, $\mu\text{g/L}$, ppm
	Resolution	Up to 4 significant digits
Temperature	Accuracy	$\pm 0.3\%$
	Calibration Points	Up to 5
	Range	-5.0 to 110 °C, 23.0 to 230 °F
	Unit	°C, °F
Measurement	Resolution	0.1
	Accuracy	± 0.2
	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
Data management	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
	Data Storage	500 results each
Inputs	GLP Features	Yes
	pH Electrode / Temperature Probe	BNC (Q9) / 4-pin aviation connector
Outputs	USB	USB 2.0 flash memory device, 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	242 × 195 × 68 mm
	Weight	900g (1.98 lb)