

I300F pH/Ion Meter



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.

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 , ppm , ppb , etc.
- Multi-measurement mode is supported, including Direct Reading 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 buffers
mV	Slope Limit	Yes
	Range	-2000.0 to 2000.0 mV
	Resolution	0.1, 0.01 mV
	Accuracy	± 0.1 mV or $\pm 0.03\%$ of reading whichever is greater
pX	Range	-2.00 to 20.00 pX
	Resolution	0.1, 0.01 pX
	Accuracy	± 0.01 pX
	Calibration Points	Up to 5
ISE	Range	1.000e-9 to 9.999e+9
	Unit	mol/L, mmol/L, g/L, mg/L, $\mu\text{g/L}$, ppm, ppb
	Resolution	Up to 4 significant digits
	Accuracy	$\pm 0.3\%$
Temperature	Calibration Points	Up to 5
	Range	-5.0 to 110 °C, 23.0 to 230 °F
	Unit	°C, °F
	Resolution	0.1
Measurement	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	500 results each
Inputs	GLP Features	Yes
	Conductivity with Temp. Probe	BNC(Q9)
Outputs	Temp. Probe	4-pin aviation connector
	USB	PC
Display options	RS 232	printer
	Backlight	Yes
	Auto Shutdown	1~60 min, off
	IP Rating	IP54
General	Date and Time	Yes
	Power	AC Adapter, 100-240V AC input, DC9V output
	Dimensions	242 × 195 × 68 mm
	Weight	900g (1.98 lb)