HPI5P-AT pH/Ion Meter

📋 GENERAL FEATURES

- ➤ Color High contrast LCD touchscreen, 4.3 inches.
- ➤ Intelligent operation system provides features including user management, calibration management, electrode management, method management, data management, Log Management and etc.
- ➤ 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 1000 sets for each parameter (GLP-compliant).
- ➤ Data analysis feature helps user review, compare and recalculate results.
- ➤ 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

- ➤ 1-8 points calibration with Standard Recognition.
- ➤ Selectable pH buffer groups, including USA, NIST, DIN, GB, MERK, JIS.
- ➤ User-defined pH buffer or buffer group is supported.
- ➤ Automatic electrode diagnosis with pH slope and offset display.

📋 Ion

- ➤ 1-8 points calibration.
- ➤ Selectable measurement unit, including µg/L, mg/L, g/L, mmol/L, pX, ppm, ppb, 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 Parameters		HPI5P-AT
		pH/ISE/Temp.(mV/ORP/pX)
pH	Range	-2.000 to 20.000 pH
	Resolution	0.1, 0.01, 0.001pH
	Accuracy	±0.002 pH
	Calibration Points	Up to 8
	Standard Customization	Yes
	Calibration Reminder	Yes
	Standard Recognition	USA, NIST, MERK, JIS, GB and DIN buffers
	Slope Limit	Yes
mV/ORP	Range	-2000.00 to 2000.00 mV
	Resolution	0.1, 0.01 mV
	Accuracy	±0.1 mV or ±0.03% of reading whichever is greater
	EH ORP Mode	Yes
	ORP Calibration Points	1 custom point (relative mV)
pX	Range	-2.000 to 20.000 pX
	Resolution	0.1, 0.01, 0.001 pX
	Accuracy	±0.002 pX
	Calibration Points	Up to 6
ISE	Range	1.000e-9 to 9.999e+9
	Units	mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb
	Resolution	Up to 4 significant digits
	Accuracy	±0.3%
	Calibration Points	Up to 8
Temperature	Range	-10 to 135 ºC, 14 to 275 ºF
	Unit	ºC, ºF
	Resolution	0.1
	Relative Accuracy	±0.1
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	USB 2.0 flash memory device, PC, scanner
	Bluetooth	Yes
Display options	Backlight	300, 600, 1200, 1800, 3600 sec., off
	Auto Shutdown	IP65
	IP Rating	Yes
	Date and Time	Rechargeable Lithium battery, AC Adapter, 100-240V AC input, DC5V output
General	Power	90×255×40 mm
	Dimensions	500g (1.1 lb)
	Weight	500g (1.1 lb)