



PH

pH/Ion Meter



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Darsun Scientific

pH/Ion Meter

DSI500T



GENERAL FEATURES

- Color High contrast LCD touchscreen, 7.0 inches.
- Intelligent operation system provides features including user management, calibration management, method management, data management and etc.
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Data Storage 1000 sets for each parameter (GLP-compliant).
- Data analysis feature helps user review, compare and recalculate results.
- Support for USB or RS-232 communication.
- Reset feature automatically resumes all settings back to factory default options.
- IP54 waterproof.

Ion

- 1-6 points calibration
- Selectable measurement unit, including $\mu\text{g/L}$, 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.

INCLUDES

- JB-10 stirrer
- REX-5 electrode stand

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- 1-6 points calibration with Standard Recognition.
- Selectable pH buffer groups, including DIN, NIST, USA, MERK, JIS, GB.
- Support for pH standard group customization.
- Automatic electrode diagnosis with pH slope and offset display.

pH/Ion Meter/DSI500T

Model	DSI500T		
Parameters	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 6	
	Standard Customization	Yes	
	Calibration Reminder	Yes	
	Standard Recognition	NIST, GB, DIN, USA, MERK, JIS 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%	
Temperature	Calibration Points	Up to 6	
	Range	-10 to 135 °C, 14 to 275 °F	
	Unit	°C, °F	
	Resolution	0.1	
Accuracy	Accuracy	± 0.1°C	
	Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
		Reading Prompts	Reading, Stable, Locked
		Temp. Compensation	ATC, MTC
Data Storage		1000 Groups	
Data management	GLP Features	Yes	
	Log Management	Yes	
Inputs	pH Electrode	BNC(Q9)	
	Temp. Probe	4-pin aviation connector	
Outputs	USB	USB 2.0 flash memory device, PC, scanner	
	RS 232	printer, auto-sampler	
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, DC24V output	
	Dimensions	220×195×68 mm	
	Net Weight	950g (2.09 lb)	