

M500T-A Multi-parameter Analyzer

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.

pН

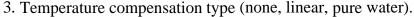
- 1.1-6 points calibration with Standard Recognition.
- 2. Selectable pH buffer groups, including DIN, NIST, USA, MERK, J1S, GB.
- 3. Support for pH standard group customization.

Ion

- 1.1-6 points calibration
- 2. Selectable measurement unit, including pg/L, mg/L, g/L, mmol/L, pX, ppm, ppb, etc.
- 3. Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- 4. 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.

Conductivity

- 1.1-5 points calibration with Standard Recognition.
- 2. Settable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.



DO

- 1. E-301-QC 3 in 1 pH composite electrode
- 2. DJS-1VTC EC electrode
- 3. NIST pH standard solution (4.01, 7.00, 10.01), 50ml/vial
- 4. $1413\,\mu\text{S/cm}$ EC standard solution, 50ml, 1 vial
- 5. REX-6 electrode stand
- 6. Touch pen





Specifications

Model		M500T-A pH/EC/ISE/Tomp (mV/OPP/pV/Posiativity/TDS/Sal.)
Parameters		pH/EC/ISE/Temp. (mV/ORP/pX/Resistivity/TDS/Sal.)
рН	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
	Range	1.000e-9 to 9.999e+9
	Units	mol/L, mmol/L, g/L, mg/L, pg/L, ppm, ppb
ISE	Resolution	Up to 4 significant digits
	Accuracy	±0.3%
	Calibration Points	Up to 6
	Range	0.000 μS/cm to 2000 mS/cm
	Resolution	0.001 μS/cm minimum, various with range selection
Conductivity	Accuracy	±0.5% FS
	Reference Temperature	5, 10, 15, 18, 20, 25 °C
	Calibration Points	Up to 5
	Calibration Reminder	Yes
	Standard Recognition	10μS/cm, 84μS/cm, 500μS/cm, 1413μS/cm, 12.88mS/cm; 146.5μS/cm 1408μS/cm, 12.85mS/cm, 111.3mS/cm
Resistivity	Range	5.00 Ω·cm~100.0 MΩ·cm
	Resolution	$0.01~\Omega$ -cm minimum
	Accuracy	±0.5% FS
TDS	Range	0.000 ppm~1000ppt
	Resolution	0.001ppm minimum, changed with range
	Accuracy	±0.5% FS
Salinity	Type	NaCl
	Range	0.0 ~ 80.0 ppt
	Resolution	0.1ppt
	Accuracy	±1ppt
Temperature	Range	-10 to 135 °C, 14 to 275 °F
	Unit	°C, °F
	Resolution	0.1
	Accuracy	±0.1°C
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
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Data management	Data Storage	1000 Groups
	GLP Features	Yes
	Log Management	Yes
	pH Electrode	BNC(Q9)
Inputs	DO with Temp. Probe	4-pin aviation connector
-	Conductivity with Temp. Probe	5-pin aviation connector
	USB	USB 2.0 flash memory device, PC, scanner,
Outputs	RS 232	printer, auto-sampler
	Backlight	Yes
Display options	Auto Shutdown	1~60 min, off
Display options	IP Rating	IP54
	Date and Time	Yes
	Power	AC Adapter, 100-240Y AC input, DC24Y output
	Dimensions	220×195×68 mm
General	Weight	950g (2.09 lb)
	Dimensions (Carton)	370×305×330 mm
	Weight (Gross)	5.5 kg