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



M300F-A Multi-parameter Analyzer



Automatic identification standard solution
Fast calibration and more accurate measurement



Multiple external devices available
PC, printer

Ion

- 1-5 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

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

Conductivity

- 1-3 points calibration with Standard Recognition
- Temperature compensation type (none, linear, pure water)
- Settable parameters, including cell constant, temperature compensation coefficient and TDS factor

Technical Parameters

Model		M300F-A
Parameters		pH/EC/ISE/Temp. (mV/pX/Resistivity/TDS/Sal.)
pH	Range	-2.00 to 20.00pH
	Resolution	0.1, 0.01 pH
	Accuracy	± 0.01 pH
	Calibration Points	Up to 5
	Standard Customization	Yes
	Standard Recognition	NIST, GB, USA and DIN buffers
	Slope Limit	Yes
mV/ORP	Range	-2000.0 to 2000.0 mV
	Resolution	0.1 mV
	Accuracy	± 0.3 mV or ± 0.1%
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, μg/L, ppm, ppb
	Resolution	Up to 4 significant digits
	Accuracy	± 0.5%
	Calibration Points	Up to 5
Conductivity	Range	0.000 μS/cm to 1000 mS/cm
	Resolution	0.001 μS/cm minimum, various with range selection
	Accuracy	± 1.0% FS
	Reference Temperature	20, 25 °C
	Calibration Points	Up to 3
	Standard Recognition	84 μS/cm, 1413 μS/cm, 12.88mS/cm
Resistivity	Range	5.00 Ω·cm~20.00 MΩ·cm
	Resolution	0.01 Ω·cm minimum
	Accuracy	± 1.0% FS
TDS	Range	0.00 ppm~300 ppt
	Resolution	0.01mg/L minimum, various with range selection
	Accuracy	± 1.0% FS
Salinity	Range	0.0~80.0 ppt
	Resolution	0.1ppt
	Accuracy	± 2ppt
Temperature	Range	-5 to 110 °C, 23 to 230 °F
	Unit	°C, °F
	Resolution	0.1
	Accuracy	± 0.2
Measurement	Reading Mode	Auto Read (Fast, Medium, Slow), Timed, Continuous
	Reading Prompts	Reading, Stable, Locked
	Temp. Compensation	ATC, MTC
Data management	Data Storage	500 results each
	GLP Features	Yes
Inputs	pH Electrode	BNC(Q9)
	DO with Temp. Probe	4-pin aviation connector
	Conductivity with Temp. Probe	5-pin aviation connector
Outputs	USB	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)