

# M300F-A Multi-parameter Analyzer

## 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.

## pH

1. 1-5 points calibration with Standard Recognition.
2. Selectable pH buffer groups, including NIST, DIN, GB, USA.
3. Automatic electrode diagnosis with pH slope and offset display.

## Ion

1. 1-5 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<sup>-</sup>, Cl<sup>-</sup>, Br<sup>-</sup>, I<sup>-</sup>, NO<sub>3</sub><sup>-</sup>, BF<sub>4</sub><sup>-</sup>, NH<sub>4</sub><sup>+</sup>, K<sup>+</sup>, Na<sup>+</sup>, Ca<sup>2+</sup>, Cu<sup>2+</sup>, Pb<sup>2+</sup>, Ag<sup>+</sup> and etc., user-defined method is supported.

## Conductivity

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

## Includes

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. 1413μS/cm EC standard solution, 50ml, 1 vial
5. REX-5 electrode stand



## Specifications

<b>Model</b>		<b>M300F-A</b>
<b>Parameters</b>		<b>pH/EC/ISE/Temp. (mV/pX/Resistivity/TDS/Sal.)</b>
<b>pH</b>	<b>Range</b>	<b>-2.00 to 20.00 pH</b>
	<b>Resolution</b>	<b>0.1, 0.01 pH</b>
	<b>Accuracy</b>	<b>±0.01 pH</b>
	<b>Calibration Points</b>	<b>Up to 5</b>
	<b>Standard Customization</b>	<b>Yes</b>
	<b>Standard Recognition</b>	<b>NIST, GB, USA and DIN buffers</b>
	<b>Slope Limit</b>	<b>Yes</b>
<b>mV</b>	<b>Range</b>	<b>-2000.0 to 2000.0 mV</b>
	<b>Resolution</b>	<b>0.1 mV</b>
	<b>Accuracy</b>	<b>±0.3 mV or ±0.1%</b>
<b>pX</b>	<b>Range</b>	<b>-2.00 to 20.00 pX</b>
	<b>Resolution</b>	<b>0.1, 0.01 pX</b>
	<b>Accuracy</b>	<b>±0.01 pX</b>
	<b>Calibration Points</b>	<b>Up to 5</b>
<b>ISE</b>	<b>Range</b>	<b>1.000e-9 to 9.999e+9</b>
	<b>Unit</b>	<b>mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb</b>
	<b>Resolution</b>	<b>Up to 4 significant digits</b>
	<b>Accuracy</b>	<b>±0.5%</b>
	<b>Calibration Points</b>	<b>Up to 5</b>
<b>Conductivity</b>	<b>Range</b>	<b>0.000 pS/cm to 1000 mS/cm</b>
	<b>Resolution</b>	<b>0.001 pS/cm minimum, various with range selection</b>
	<b>Accuracy</b>	<b>±1.0% FS</b>
	<b>Reference Temperature</b>	<b>20, 25 °C</b>
	<b>Calibration Points</b>	<b>Up to 3</b>
	<b>Standard Recognition</b>	<b>84µS/cm, 1413µS/cm, 12.88mS/cm</b>
<b>Resistivity</b>	<b>Range</b>	<b>5.00 Ω·cm~20.00 MΩ·cm</b>
	<b>Resolution</b>	<b>0.01 Ω·cm minimum</b>
	<b>Accuracy</b>	<b>±1.0% FS</b>
<b>TDS</b>	<b>Range</b>	<b>0.00 ppm~300 ppt</b>
	<b>Resolution</b>	<b>0.01mg/L minimum, various with range selection</b>
	<b>Accuracy</b>	<b>±1.0% FS</b>
<b>Salinity</b>	<b>Range</b>	<b>0.0~80.0 ppt</b>
	<b>Resolution</b>	<b>0.1ppt</b>
	<b>Accuracy</b>	<b>±2ppt</b>
<b>Temperature</b>	<b>Range</b>	<b>-5 to 110 °C, 23 to 230 °F</b>
	<b>Unit</b>	<b>°C, °F</b>
	<b>Resolution</b>	<b>0.1</b>
	<b>Accuracy</b>	<b>±0.2°C</b>
<b>Measurement</b>	<b>Reading Mode</b>	<b>Auto Read (Fast, Medium, Slow), Timed, Continuous</b>
	<b>Reading Prompts</b>	<b>Reading, Stable, Locked</b>
	<b>Temp. Compensation</b>	<b>ATC, MTC</b>
<b>Data management</b>	<b>Data Storage</b>	<b>500 results each</b>
	<b>GLP Features</b>	<b>Yes</b>
<b>Inputs</b>	<b>pH Electrode</b>	<b>BNC(Q9)</b>
	<b>DO with Temp. Probe</b>	<b>4-pin aviation connector</b>
	<b>Conductivity with Temp. Probe</b>	<b>5-pin aviation connector</b>

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)
	Dimensions (Carton)	370×305×330 mm
	Weight (Gross)	3.5 kg