Qlabtics LLC
10500 PARKSIDE AVE APT 9 CHICAGO RIDGE, IL 60415

# AccuProbe M Benchtop 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.

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## ION

- ● 1-5 points calibration.
- ● Selectable measurement unit, including µg/L, mg/L, g/L, mmol/L, PX, 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- , NO3 - , BF4 - , NH4 + , K+ , Na+ , Ca2+, Cu2+, Pb2+, Ag+ and etc., user-defined method is supported.

Automatic identification standard solution

Fast calibration and more accurate measurement

## PH

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

## Conductivity


Multiple external devices available

PC, printer

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

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## Technical Data

| Model | | M300F-A |
|---|---|---|
| Parameters | | pH/EC/ISE/DO/Temp.<br>(mV/ORP/pX/Resistivity/TDS/Sal./DOSaturation) |
| PH | Range | -2.00 to 20.00 pH |
| | Resolution | 0.1, 0.01pH |
| | Accuracy | ± 0.01 pH |
| | Calibration Points | up to 5 |
| | Standard Customization | Yes |
| | Standard Recognition | NIST,GB and DIN buffers |
| | Slope Limit | Yes |
| mV | 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 | 1E-9 to 9.999E9 |
| | Unit | mol/L, mmol/L, g/L, mg/L, μ g/L,ppm |

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|---|---|---|
| | Resolution | Up to 4 significant digits |
| | Accuracy | ± 0.5% |
| | Calibration Points | Up to 5 |
| Conductivity | Range | 0.000 μ S/cm to 1000 mS/cm |
| | Resolution | 0.001 μ S/cm minimum, various with range selection |
| | Accuracy | ± 1.0% FS |
| | Reference Temperature | 20, 25 °C |
| | Calibration Points | Up to 3 |
| | Standard Recognition | 84 μ S/cm, 1413 μ S/cm, 12.88mS/cm |
| Resistivity | Range | 5.00 Ω •cm~20.00 M Ω •cm |
| | Resolution | 0.01 Ω •cm minimum |
| | Accuracy | ± 1.0% FS |
| TDS | Range | 0.00mg/L~300g/L |
| | Resolution | 0.01mg/L minimum, various with range selection |
| | Accuracy | ± 1.0% FS |
| Salinity | Range | (0.00~8.00)% |
| | Resolution | 0.01 |
| | Accuracy | ± 0.2 |
| Temperature | Range | -5 to 110 °C, 23 to 230 °F |
| | Unit | °C, °F |

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|---|---|---|
| | 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,RS232 | USB 2.0 flash memory device,Printer, PC |
| 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 |