

Benchtop Multiparameter Water Quality Meter



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 dustproof and spillproof.
- \* Ion: 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.
- \* Selectable pH buffer groups, including NIST, DIN, GB, USA.
- \* DO: selectable pressure unit, including kPa, mbar, Torr, Atm.

Accessories:

Meter; composite electrode; conductivity electrode; polarographic DO electrode; standard pH buffer solution(50mL)(pH4.01, 7.00, 10.01); conductivity standard 1413μS/cm(50mL); electrode stand; power adapter DC 9V; universal USB cable; dust cover.

Technical Parameters:

| Model                                 |                                   | M300F                                            |
|---------------------------------------|-----------------------------------|--------------------------------------------------|
| pH                                    | Range                             | -2.00~20.00pH                                    |
|                                       | Resolution                        | 0.1, 0.01pH                                      |
|                                       | Accuracy                          | ±0.01pH                                          |
|                                       | Calibration Points                | 1~5 points                                       |
|                                       | Standard Customization            | Yes                                              |
|                                       | Standard Recognition              | NIST, GB, USA and DIN buffers                    |
|                                       | Slope Limit                       | Yes                                              |
| mV(ORP probe optional)                | Range                             | -2000.0~2000.0mV                                 |
|                                       | Resolution                        | 0.1mV                                            |
|                                       | Accuracy                          | ±0.3mV or ±0.1%                                  |
| pX                                    | Range                             | -2.00~20.00pX                                    |
|                                       | Resolution                        | 0.1, 0.01pX                                      |
|                                       | Accuracy                          | ±0.01pX                                          |
|                                       | Calibration Points                | 1~5 points                                       |
| ISE(Optional)                         | Range                             | 1.000e-9~9.999e+9                                |
|                                       | Resolution                        | Up to 4 significant digits                       |
|                                       | Accuracy                          | ±0.5%                                            |
|                                       | Calibration Points                | 1~5 points                                       |
| Conductivity                          | Unit                              | mol/L, mmol/L, g/L, mg/L, μg/L, ppm, ppb         |
|                                       | Range                             | 0.000μS/cm~1000mS/cm                             |
|                                       | Resolution                        | 0.001μS/cm minimum, various with range selection |
|                                       | Accuracy                          | ±1.0%FS                                          |
|                                       | Calibration Points                | 1~3 points                                       |
| Resistivity                           | Standard Recognition              | 84μS/cm, 1413μS/cm, 12.88mS/cm                   |
|                                       | Reference Temperature             | 20, 25°C                                         |
|                                       | Range                             | 5.00~20.00MΩ·cm                                  |
|                                       | Resolution                        | 0.01Ω·cm minimum                                 |
| TDS                                   | Accuracy                          | ±1.0%FS                                          |
|                                       | Range                             | 0.00ppm~300ppt                                   |
|                                       | Resolution                        | 0.01mg/L minimum, various with range selection   |
| Salinity                              | Accuracy                          | ±1.0%FS                                          |
|                                       | Range                             | 0.0~80.0ppt                                      |
|                                       | Resolution                        | 0.1ppt                                           |
| DO<br>Concentration-<br>Polarographic | Accuracy                          | ±2ppt                                            |
|                                       | Range                             | 0.00~20.00ppm                                    |
|                                       | Resolution                        | 0.01ppm                                          |
|                                       | Accuracy                          | ±0.10ppm                                         |
|                                       | Calibration Points                | Air-saturated water or zero point                |
| % Saturation -Polarographic           | Barometric Compensation           | Yes                                              |
|                                       | Manual Salinity Factor Correction | Yes                                              |
|                                       | Range                             | 0.0~200.0%                                       |
|                                       | Resolution                        | 0.1%                                             |
| Temperature                           | Accuracy                          | ±2.0%                                            |
|                                       | Range                             | -5~110°C/23~230°F                                |
|                                       | Resolution                        | 0.1                                              |
| Measurement                           | Accuracy                          | ±0.2                                             |
|                                       | Reading Mode                      | Auto read(Fast, medium, slow), timed, continuous |
|                                       | Reading Prompts                   | Reading, stable, locked                          |
| Data Management                       | Temp. Compensation                | ATC, MTC                                         |
|                                       | Data Storage                      | 500 results each                                 |
| Outputs                               | GLP Features                      | Yes                                              |
|                                       | USB                               | PC                                               |
| Power Supply                          | RS232                             | Printer                                          |
|                                       | AC adapter                        | 100~240V, 50/60Hz AC input, DC9V output          |
| External Size(W*D*H)                  |                                   | 242*195*68mm                                     |
| Package Size(W*D*H)                   |                                   | 370*305*330mm                                    |
| Net Weight                            |                                   | 0.9kg                                            |
| Gross Weight                          |                                   | 3.5kg                                            |