



## CONDUCTIVITY METER BMET-306

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Conductivity meter is an instrument that measures the amount of electric conductivity or current in a solution. The conductance can be measured by applying an alternating electrical current to the two electrodes present in the solution, after which the cations move to the negative electrode and the anions move to the positive electrode. This movement ultimately leads the solution to be conductive.

## BMET-306 CONDUCTIVITY METER



## SPECIFICATIONS

| Model                 | BMET-306                                       |
|-----------------------|--|
| Conductivity          |  |
| Range                 | 0.000 $\mu$ S/cm to 500 mS/cm                  |
| Resolution            | 0.001 $\mu$ S/cm minimum; changed with range   |
| Accuracy              | $\pm 1.0$ % FS                                 |
| Reference Temperature | 20, 25 $^{\circ}$ C                            |
| Calibration Points    | Up to 3  |
| Standard Recognition  | 84 $\mu$ S/cm, 1413 $\mu$ S/cm; 12.88 mS/cm    |
| Resistivity           |  |
| Range                 | 5.00 $\Omega$ cm ~20.00M $\Omega$ cm           |
| Resolution            | 0.01 $\Omega$ cm minimum                       |
| Accuracy              | $\pm 1.0$ % FS                                 |
| TDS                   |  |
| Range                 | 0.00 mg/L ~300 g/L                             |
| Resolution            | 0.01 mg/L minimum; changed with range          |
| Accuracy              | $\pm 1.0$ %                                    |
| Salinity              |  |
| Range                 | (0.00 ~8.00) %                                 |
| Resolution            | 0.01 %   |
| Accuracy              | $\pm 0.2$ %                                    |
| Temperature           |  |
| Range                 | -5 to 110 $^{\circ}$ C, 23 to 230 $^{\circ}$ F |
| Unit                  | $^{\circ}$ C, $^{\circ}$ F                     |
| Resolution            | 0.1  |
| Relative Accuracy     | $\pm 0.2$                                      |

|                    |   |
|--------------------|---|
| Measurement        |   |
| Reading Mode       | AutoRead( 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             |   |
| Temp. /EC Probe    | 5-pin aviation connector  |
| Outputs            |   |
| USB                | PC,printer  |
| Display Options    |   |
| Backlight          | Yes   |
| Auto Shut-down     | 300, 600, 1200, 1800, 3600 sec, off                                     |
| IP Rating          | IP65  |
| Date and Time      | Yes   |
| General            |   |
| Power              | Rechargeable Lithium batter; AC Adapter,100-240 V AC input, DC5V output |
| Dimensions         | 80x255x35 mm  |
| Weight             | 400 g(0.88 lb)  |



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