

# MW151 MAX

## pH/ORP/Temperature Logging Laboratory Bench Meter

This high performance microprocessor-based pH/ORP/Temp Bench meter is an ideal tool in schools, laboratories and production plants. It is provided with a series of new diagnostic features which add an entirely new dimension to the measurement of pH, by allowing the user to dramatically improve the reliability of the measurement:

- Up to 5-point calibration with 7 standard calibration buffers and two custom buffers
- 2 USB ports: Standard USB socket to export data directly to a flash drive and micro USB to connect a computer for file export
- Data logging: 1000 logs can be stored in the built-in memory including readings, GLP data, date and time
- Different logging methods: manual log-on-demand (max. 200 logs); manual log-on-stability (max. 200 logs) and interval log (max. 600 samples; 100 lots)
- Electrode diagnostics feature checks and displays the condition of the pH electrode
- Built-in rechargeable battery with 8 hours battery life
- Battery charger with battery monitor
- Dedicated GLP key
- Alphanumeric LCD displayed messages for user friendly, intuitive information/warning/error messages



| Specifications           |      | MW151 MAX  |
|--------------------------|------|--|
| Range                    | pH   | -2.00 to 20.00 pH / -2.000 to 20.000 pH  |
|                          | mV   | ±1000.0 mV / ±2000.0 mV  |
|                          | Temp | -20.0 to 120.0°C / -4.0 to 248.0°F   |
| Resolution               | pH   | 0.01 pH / 0.001 pH   |
|                          | mV   | 0.1 mV / 0.1 mV  |
|                          | Temp | 0.1°C / 0.1°F  |
| Accuracy (@20°C)         | pH   | ±0.01 pH / ±0.002 pH   |
|                          | mV   | ±0.2 mV / ±1 mV  |
|                          | Temp | ±0.4°C / ±0.8°F  |
| pH Calibration           |      | up to 5-point automatic pH calibration, 7 standard calibration buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45) and two custom buffers |
| Temperature Compensation |      | automatic from -20.0 to 120.0°C / -4.0 to 248.0°F or manual, without temperature probe   |
| pH Electrode             |      | MA917B/1 (included)  |
| Temperature Probe        |      | MA831R (included)  |
| Log                      |      | Maximum 1000 records; On demand, 200 samples; On stability, 200 samples<br>Interval logging, 600 samples (max. 100 lots)                         |
| PC connectivity          |      | 1 USB port, 1 micro USB port   |
| Power Supply             |      | 12 VDC adapter (included), 5 VDC USB adapter   |
| Battery life             |      | 8 hours  |
| Auto-off                 |      | 5, 10, 30, 60 minutes or off   |
| Environment              |      | 0 to 50 °C; max RH 95%   |
| Packaging dimensions     |      | 335 x 120 x 255 mm   |
| Packaging weight         |      | 2 kg   |



### Glass Electrode & Temperature Probe

Choose from our wide selection of pH and ORP electrodes at pages 8 and 50.

### Innovative Design

Compact-size ergonomic design with electrode holder that can hold multiple electrodes & probes.



### Accessories

- MA9001** pH 1.68 buffer solution, 230 mL bottle  
**MA9004** pH 4.01 buffer solution, 230 mL bottle  
**MA9006** pH 6.86 buffer solution, 230 mL bottle  
**MA9007** pH 7.01 buffer solution, 230 mL bottle  
**MA9009** pH 9.18 buffer solution, 230 mL bottle  
**MA9010** pH 10.01 buffer solution, 230 mL bottle  
**MA9011** Refilling Electrolyte Solution 3.5M KCl for pH/ORP electrodes, 230 mL  
**MA9012** Refilling Electrolyte Solution 1M KNO<sub>3</sub>, 230 mL, food applications  
**MA9015** Electrode storage solution, 230 mL  
**MA9016** Electrode cleaning solution, 230 mL  
**MA831R** Temperature probe



- MA9112** pH 12.45 buffer solution, 230 mL bottle  
**MA9310** 12 VDC Adapter, 220 V  
**MA9311** 12 VDC Adapter, 110 V  
**MA9315** Electrode Holder  
**MA917B/1** Glass body, double junction refillable pH electrode  
**MA924B/1** ±2000 mV Glass ORP electrode, refillable with BNC connector and 1 meter cable  
**SE300** Platinum ORP electrode with 1 m cable

### Ordering Information

MW151 MAX is supplied complete with:

- MA917B/1 Double junction refillable pH electrode
- MA831R Temperature Probe
- MA9315 Electrode Holder
- M10004 pH 4.01 Sachet Buffer Solution
- M10007 pH 7.01 Sachet Buffer Solution
- M10010 pH 10.01 Sachet Buffer Solution
- M10016 Sachet Electrode Cleaning Solution
- MA9310 12 VDC Adapter
- Graduated pipette
- USB cable
- Instruction manual

**DISTRIBUTOR:- BLUE HORIZON**

Gopal Niwas, 135, Princess Street Mumbai-400002 INDIA

Tel: +91 9820206611 Email: sales.bluehorizon@gmail.com

[www.milwaukeeinstruments.com](http://www.milwaukeeinstruments.com)