

## CERTIFICATION

Milwaukee Instruments conform to the CE European Directives.



### Disposal of Electrical & Electronic Equipment.

Do not treat this product as household waste. Hand it over to the appropriate collection point for the recycling of electrical and electronic equipment.

RoHS  
compliant

**Disposal of waste batteries.** This product contains batteries. Do not dispose of them with other household waste. Hand them



over to the appropriate collection point for recycling. Please note: proper product and battery disposal prevents potential negative consequences for human health and the environment. For detailed information, contact your local household waste disposal service or go to [www.milwaukeeinstruments.com](http://www.milwaukeeinstruments.com) (USA & CAN) or [www.milwaukeeinst.com](http://www.milwaukeeinst.com).

## RECOMMENDATION

Before using this product, make sure it is entirely suitable for your specific application and for the environment in which it is used. Any modification introduced by the user to the supplied equipment may compromise the meter's performance. For your and the meter's safety do not use or store the meter in hazardous environment. To avoid damage or burn, do not perform any measurement in microwave ovens.

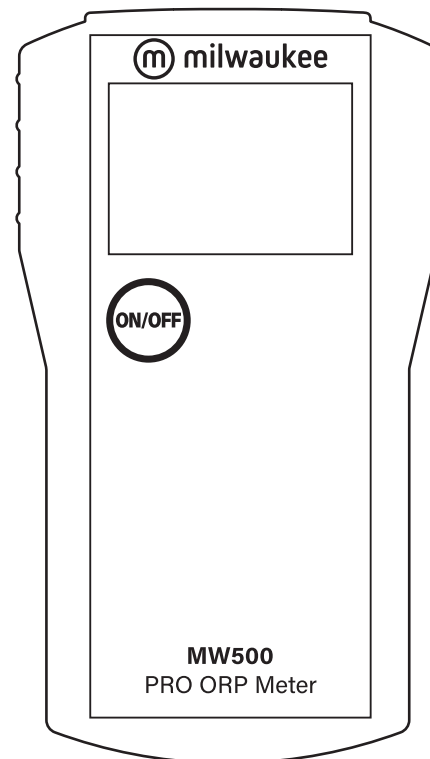
## WARRANTY

This instrument is warranted against defects in materials and manufacturing for a period of 2 years from the date of purchase. Probe is warranted for 6 months. This warranty is limited to repair or free of charge replacement if the instrument cannot be repaired. Damage due to accidents, misuse, tampering or lack of prescribed maintenance is not covered by warranty. If service is required, contact your local Milwaukee Instruments Technical Service. If the repair is not covered by the warranty, you will be notified of the charges incurred. When shipping any meter, make sure it is properly packaged for complete protection.

Milwaukee Instruments reserves the right to make improvements in design, construction and appearance of its products without advance notice.

# USER MANUAL

## MW500 PRO ORP Meter

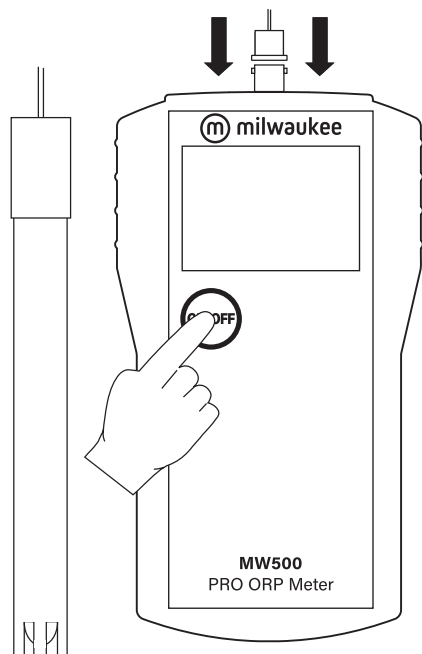


[milwaukeeinstruments.com](http://milwaukeeinstruments.com) (USA & CAN)  
[milwaukeeinst.com](http://milwaukeeinst.com)



## OPERATION

- The meter is supplied complete with a 9V battery. Slide off the battery compartment cover located on the back of the meter. Install the battery into the battery clip connector while observing polarity.
- Always remove the electrode protective cap before taking any measurement. If the electrode has been left dry, soak the tip in storage solution for a few minutes to reactivate it.
- Connect the ORP electrode to the BNC socket on the top of the meter.
- Immerse the tip (2.5 cm) of the ORP electrode into the sample.
- Turn the instrument on by pressing the ON/OFF key.
- Allow the reading to stabilize before taking measurements.
- After use, switch the meter off and store the electrode with a few drops of storage solution in the protective cap.
- The meter is factory calibrated. ORP electrodes are interchangeable and no mV calibration is needed when they are replaced.



## MAINTENANCE:

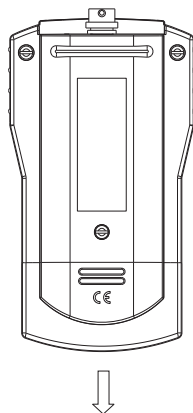
- The surface of the ORP electrode must always be clean. Use **M10000B** rinse solution for this purpose. If needed, clean the Platinum tip with very fine abrasive paper.
- When not in use, the tip (reference junction) of the electrode should always be kept moist and safe from any mechanical stress.

## BATTERY REPLACEMENT

When the battery becomes weak the meter will display "⚡", the low battery indicator. The battery has about 50 hours of working time left. A low battery will result in unreliable measurements. Prompt battery replacement is required.

Battery replacement must only take place in a non hazardous area using an alkaline 9V battery.

Turn the meter off, slide the battery compartment cover located at the rear of the meter off and replace the 9V battery with a new one. Make sure the battery contacts are fully engaged in the connector, seat the battery in its compartment and replace the cover.



## SPECIFICATIONS

<b>RANGE</b>	±1000 mV
<b>RESOLUTION</b>	1 mV
<b>ACCURACY (@25 °C)</b>	±5 mV
<b>TYPICAL EMC DEVIATION</b>	±5 mV
<b>ORP ELECTRODE</b>	SE-300 (included)
<b>ENVIRONMENT</b>	0 to 50 °C; 95% RH max.
<b>BATTERY TYPE</b>	9V alkaline (included)
<b>BATTERY LIFE</b>	approx. 300 hours of use
<b>DIMENSIONS</b>	143 x 80 x 32 mm
<b>WEIGHT</b>	220 g (with battery) meter only

## OPTIONAL ACCESSORIES

<b>M10000B</b>	Electrode rinse solution, 20 ml sachet, 25 pcs.
<b>MA9015</b>	Electrode storage solution, 220 mL bottle
<b>SE-300</b>	Platinum ORP electrode with 1 m cable