

SPECIFICATIONS:



	MW100
RANGE	0.0 to 14.0 pH
RESOLUTION	0.1 pH
ACCURACY (@25°C)	±0.2 pH
TYPICAL EMC DEVIATION	±0.1 pH
pH ELECTRODE	MA911B/1 (included)
ENVIRONMENT	0 to 50°C, 95% RH max.
BATTERY TYPE	1 x 9V alkaline (included)
BATTERY LIFE	approximately 300 hours of use
DIMENSIONS	143 x 80 x 32 mm
WEIGHT	220 g (with battery) meter only

OPTIONAL ACCESSORIES:

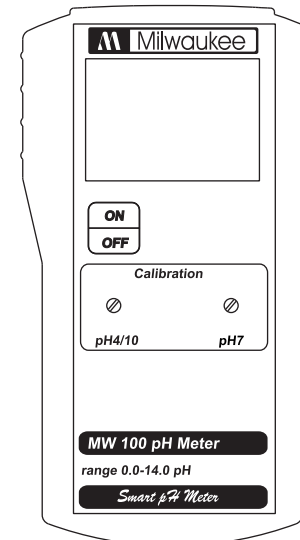
M10004B	pH 4.01 buffer solution, 20 mL sachet (25 pcs)
M10007B	pH 7.01 buffer solution, 20 mL sachet (25 pcs)
M10010B	pH 10.01 buffer solution, 20 mL sachet (25 pcs)
M10000B	Electrode rinse solution, 20 mL sachet (25 pcs)
MA9015	Electrode storage solution, 220 mL bottle
MA911B/1	pH electrode with BNC connector and 1 m cable
MA950	Portable meter wall mounting kit



USER MANUAL

**PORTABLE
pH METER
MODEL: MW100**

Smart pH Meter

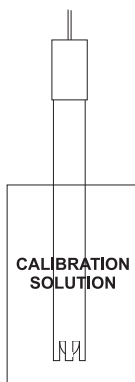
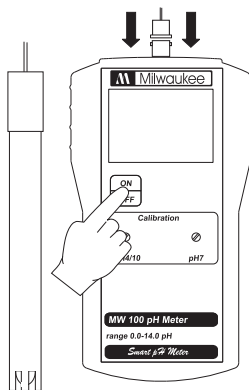


OPERATION:

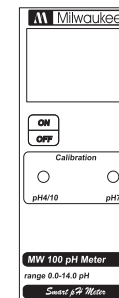
- The meter is supplied complete with a 9V battery. Slide off the battery compartment cover on the back of the meter. Install the battery into the battery clip connector while observing polarity.
- Always remove the electrode protective cap before taking any measurement. If the electrode has been left dry, soak the tip (bottom 2.5 cm) in rinse solution (**M10000B**) for a few minutes to reactivate it.
- Connect the pH electrode to the BNC socket on the top of the meter.
- Make sure that the meter has been calibrated before taking any measurements (see Calibration Procedure).
- Immerse the tip (2.5 cm) of the pH electrode into the sample.
- Turn the instrument on by pressing the ON/OFF key.
- Allow the reading to stabilize before taking measurements.
- After measurements, switch the meter off and store the electrode with a few drops of storage solution (**MA9015**) in the protective cap.

CALIBRATION PROCEDURE:

- Remove the protective cap from the electrode.
- Rinse tip off with distilled water or a small quantity of pH 7.
- Immerse the electrode tip into a new sachet of pH7 calibration solution and allow the reading to stabilize.



- Adjust the pH7 (OFFSET) calibration trimmer to display "7.0 pH".
- Open a new sachet of pH4 calibration solution and use a small quantity to rinse the electrode.
- Immerse the electrode tip inside the pH4 sachet and allow the reading to stabilize.
- Adjust the pH4/pH10 (SLOPE) calibration trimmer to read "4.0 pH".
- The calibration is now complete and the meter is ready to take measurements.
- It is suggested the meter be calibrated at least once a month, after a prolonged period of inactivity, and after electrode replacement.



BATTERY REPLACEMENT:

When the battery becomes weak the meter will display "⚡".

When the low battery indicator appears, the battery has only 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.

