SPECIFICATIONS:

	MC110 MC120 MC122
RANGE	0.0 to 14.0 pH
RESOLUTION	0.1 pH
ACCURACY (@25°C)	±0.2 pH
SETPOINT	**3.5 to 7.5 pH 5.5 to 9.5 pH**
ALARM	active when measure is higher/lower than selected setpoint depending on user selection
OUTPUT POWER SOCKET (for MC122 only)	active when measure is higher/lower than selected setpoint (5A max) depending on user selection
POWER DRIVERS (for MC122 only)	115VAC, 2A, 60Hz or 230VAC, 1A, 50Hz
pH ELECTRODE	MA911B/2 (included)
ENVIRONMENT	0 to 50°C, 95% RH not condensing
POWER SUPPLY	12 VDC (included)
DIMENSIONS	148.5 x 82.5 x 32 mm
WEIGHT	MC110, MC120 160 g (meter only) MC122 180 g

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, 20 ml sachet (25 pcs)

WARRANTY:

These instruments are warranted from all defects in materials and manufacturing for a period of **two years** from the date of purchase. The electrode is warranted for a period of **6 months.**
If during this period, the repair or replacement of parts is required, where the damage is not due to negligence or erroneous operation by the user, please return the parts to either dealer or our office and the repair will be effected free of charge.

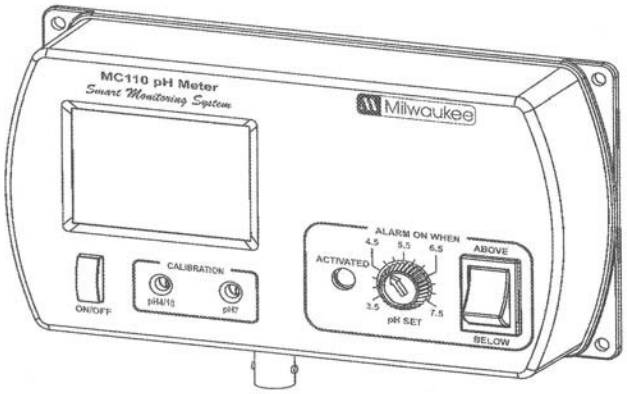
Note: We reserve the right to modify the design, construction and appearance of our products without advance notice.

MANUAL

PORTABLE pH METER

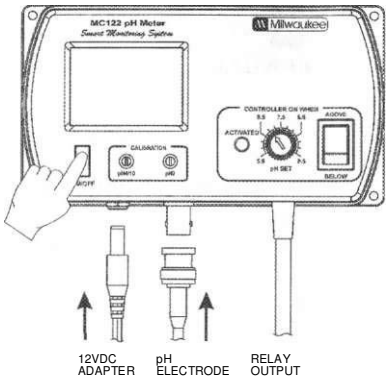
MODELS: MC110 - MC120 - MC122

Smart Monitoring System



OPERATION:

- Connect the supplied 12VDC power adapter to the meter and to the mains line.
- Connect the pH-electrode to the BNC socket on the bottom of the meter.
- 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 M10000B rinse solution for a few minutes to reactivate it

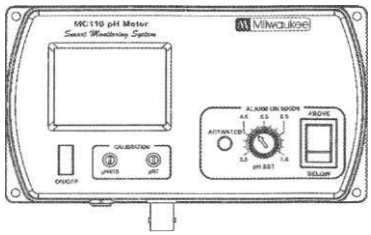


- Make sure that the meter has been calibrated before taking any measurements (see Calibration Procedure).
- Immerse the tip (2.5 cm) of the pH-electrode into the sample.
- Turn the instrument on by pressing the ON/OFF key.
- Allow the reading to stabilize and the meter will start continuous monitoring.
- A blinking alarm will indicate when the measured pH value is higher or lower than selected setpoint, depending on user selection.

NOTE. The output power contact (MC122 only) has no protection fuse inside the meter. It is recommended to protected it outside, against failure.

SETPOINT:

- The setpoint can be selected by adjusting the central front knob to the desired value.
- The selectable range is from 3.5 to 7.5 pH for MC110; from 5.5 to 9.5 pH for MC120 and MC122.
- The nature of the setpoint can be selected by setting the switch to the desired position (ABOVE or BELOW).



CALIBRATION PROCEDURE:

- Remove the protective cap from the electrode.
- Immerse the electrode tip into a new sachet of pH 7 calibration solution and allow the reading to stabilize.
- Adjust the pH7 calibration trimmer (on the front) to display "7.0 pH".
- Open a new sachet of pH 4 calibration solution and use a small quantity to rinse the electrode.
- Immerse the electrode tip into the pH 4 sachet and allow the reading to stabilize.
- Adjust the pH4/10 calibration trimmer (on the front) to display "4.0 pH".
- The calibration is now complete and the meter is ready to take measurements.
- It is suggested to recalibrate the meter at least once a month, after a prolonged stocking time and after pH-electrode replacement.

INSTALLA TION PROCEDURE:

(for MC122 only)