



# Milwaukee

*The tester specialist!*

## Sharp pH pH40-pH41-pH42

### CONDITIONING

Remove the cap. To activate the electrode, immerse the tester in pH 7 buffer solution for 2 hours. The problems with crystallization have been eliminated with our newly developed cloth junction reference electrode.

### CALIBRATION

The calibration procedure is very simple and fast. Switch the unit on by pressing the ON/OFF button. Sharp pH testers can be calibrated at 4, 7, and 10 pH values; always calibrate at pH 7 first. Dip the Sharp tester in the pH 7.01 buffer solution (M10007). Press the "CAL" button. The display will blink "7.0 c"; when the "c" stops blinking press "CFM" to confirm. The display will then blink 4.0 to prompt you to use a second buffer solution. If you are performing a single point calibration, turn the meter off. If you are measuring pH acidic solutions, use a pH 4.01 buffer solution (M10004); for alkaline measurements use a pH 10.01 buffer solution (M10010). Rinse the electrode with (M10000) deionized water before calibrating at the second point. **ALWAYS USE FRESH BUFFERS FOR CALIBRATION**

**NOTE :** On the pH 42 model, the entire display will blink when calibrating. Wait approx. 10 seconds and confirm. Repeat procedure for second point.

### OPERATION

- Remove the cap.
- Press the ON/OFF button to turn the tester on.
- Dip the tester into the test solution. **Sharp testers are immersible up to the LCD.**
- Stir and wait for the reading to stabilize.
- Press the ON/OFF button to turn the tester off. Sharp pH testers **feature Automatic shut-off after 10 minutes to save batteries and extend tester life.**

### MAINTENANCE IS NO LONGER A PROBLEM !

The sensor should be kept moist at all times. This can be achieved by storing the tester with a few drops of pH 7 or pH 4 calibration solution in the protective cap. Rinse the electrode after each measurement with tap water. **DO NOT USE DISTILLED WATER OR DEIONIZED WATER FOR STORAGE PURPOSES.** In case of contamination or clogging of the junction, simply pull out 2 mm of cloth to get a brand new junction. Repeat the calibration procedure.

### BATTERY REPLACEMENT

Open the flip-top battery compartment. Place the batteries in the Sharp pH tester noting the polarity listed in the battery compartment.

### ERROR MESSAGES

- Eb** — Batteries should be replaced.
- Ec** — Use a fresh buffer solution.
- Er** — Over range.

Your Sharp Tester is covered by a full 2 year warranty.