HI 991001

pH/temperature meter

Quick Reference Guide

MEASUREMENTS

- **Range**:   -2.00 to 16.00 pH

                     -5.0 to 105.0°C / 23.0 to 221.0°F
- **Accuracy**: $\pm$0.02 pH

  (@20°C/68°F) $\pm$0.5°C up to 60°C; $\pm$1°C outside

                     $\pm$1°F up to 140°F; $\pm$2°F outside

OPERATIONAL GUIDE

- **To switch ON and OFF**: press **ON/OFF/MODE**.
- **To freeze the display:** press **SET/HOLD** until "HOLD" appears.
- **To take measurements:** connect the probe when **the meter is off**, remove the protective cap, turn the meter ON, immerse the probe tip in the sample, stir briefly and wait until the "Not Stable" tag is turned off.
- **To enter the pH Calibration mode:** press **ON/OFF/MODE** until "CAL" appears. Release the button and "pH 7.01 USE" (or "pH 6.86 USE") message is displayed.
- **To select °C or °F unit**: press **ON/OFF/MODE** until "TEMP" appears, then select the temperature unit with **SET/HOLD**. Press **ON/OFF/MODE** twice to return to normal mode.
- **To change the calibration buffer set:** press **ON/OFF/MODE** until "TEMP" appears. Press again **ON/OFF/MODE**: the message "pH 7.01 BUFF" (or "pH 6.86 BUFF") appears. Change the buffer set with **SET/HOLD**. Press **ON/OFF/MODE** to return to normal mode.

pH CALIBRATION PROCEDURE

Calibration messages:

- **USE :** default suggested buffer.
- **REC :** a valid buffer is recognized.
- **WRNG :** invalid buffer detected.

Two-point procedure:

- Place the probe in pH 7.01 (or 6.86) buffer.
- After the first point is accepted, the "pH 4.01 USE" message appears.
- Place the probe in pH 4.01, 10.01 (or 9.18) buffer.
- When the second point is accepted, the "OK 2" message appears and then the meter returns to normal mode.

Single-point procedure:

- **With pH 4.01, 9.18 or 10.01 buffer:** when the calibration point is accepted, the buffer value and "OK 1" message appear and then the meter returns to normal mode.
- **With pH 7.01 or 6.86 buffer:** after the calibration point has been accepted, the **ON/OFF/MODE** button must be pressed to return to normal mode.

NOTES

- If the **probe is dry**, soak it in **HI 70300** Storage Solution for half an hour.
- **To clean the meter:** use water.
- **To quit calibration (ESC):** press **ON/OFF/MODE** after entering the calibration mode and before the first point is accepted.
- **To clear calibration (CLR):** press **SET/HOLD** after entering the calibration mode and before the first point is accepted.
- When the **battery** symbol ⊏⊐ appears, the batteries should be replaced soon.
- Open the battery compartment cap on the bottom of the instrument and replace old batteries with new ones, following the instructions on the rear of the instrument.