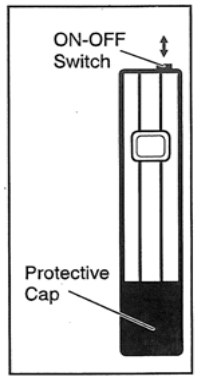
Co nd uc tiv ity M



Pocket Pal™ Conductivity Tester

Hach Cat. No. 26866-01

SPECIFICATIONS:

Range: 10 to 1990 µS/cm
Accuracy: ±2% of reading at 25 °C calibration and 25 °C sample. ±10% of temperature compensated µS/cm readings over 0 to 50 °C range.
Operating Temperature: 0 to 50° C
Temperature Compensation: 2% per °C
Battery Life: 1000 hours (approx.)
IP 67 Rated: Waterproof (immersible); dustproof

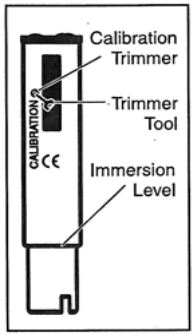
INSTRUCTIONS FOR USE:

1. Press the ON/OFF switch once to turn the tester on. Refer to the illustration to the left.
2. Remove protective cap from the bottom.
3. Immerse the bottom of the tester 1.0 to 3.5 in. (2.5 to 8.9 cm) into the sample.
4. Using the tester, gently stir the sample for several seconds. When the digital display stabilizes, read the conductivity value.

Note: Readings may not stabilize for up to 2 minutes; this is a function of the temperature sensor.

5. Rinse the bottom of the tester. Replace the cap.

Note: Maintain or improve performance by periodically rinsing the stainless steel electrode in isopropyl alcohol.



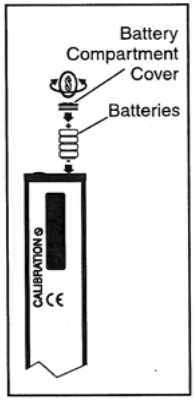
CALIBRATION:

Verify the accuracy of the tester before use and periodically thereafter as follows:

1. Measure the µS/cm of a known Calibration Standard using the tester.
2. If necessary, adjust the Calibration Trimmer (shown at left) using the supplied trimmer tool (or a small flat-bladed screwdriver) until the reading corresponds to the concentration of the known Calibration Standard.

Calibration Standards are available (100 mL).

Cat. No.		
23075-14	180 µS/cm NaCl	85.47 mg/L as NaCl
14400-14	1000 µS/cm NaCl	491 mg/L as NaCl
2105-14	1990 µS/cm NaCl	1000 mg/L as NaCl



BATTERY REPLACEMENT:

1. Use a coin to turn the battery compartment cover, located on the top of the tester, to the left 1/4 turn.
2. Remove the cover. Replace all four batteries with Eveready E675E, Duracell RM675, or Hach, Cat. No. 23678-00, in the same orientation (polarity) as they were removed. Replace the cover.

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COLORIMETRIC pH TEST EQUIPMENT

USE OF THE OCTET COMPARATOR

The Octet Comparator contains eight permanent color standards. A test sample is inserted into the openings in the top of the comparator. The sample can then be compared to four color standards at once, and the value read off the comparator. For optimum color comparison, the comparator should be positioned between the operator and a light source, so that the light enters through the special light-diffusing screen in the back of the comparator. Avoid viewing the comparator against direct sunlight or an irregularly lighted background.

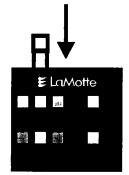
pH TEST PROCEDURE

1. Fill a test tube (0230) to the 5.0 mL line with sample water.

2. While holding dropper bottle or pipet vertically, add the number of drops indicated on the front of the comparator.

3. Cap and mix.

4. Insert test tube into Octet Comparator. Match sample color to a color standard. Record as pH.



WARNING! This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision

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