

## Pocket Pal™ TDS Tester

Hach Cat. No. 44400-01

### SPECIFICATIONS:

**Range:** 10 to 1990  $\mu\text{S}/\text{cm}$

**Accuracy:**  $\pm 2\%$  of reading at 25 °C calibration and 25 °C sample.  $\pm 10\%$  of temperature compensated  $\mu\text{S}/\text{cm}$  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

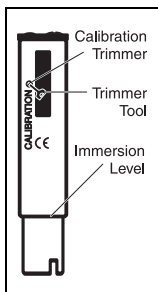
### INSTRUCTIONS FOR USE:

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 TDS value.

**Note:** Readings may not stabilize for up to 2 minutes, especially if the temperature is far from ambient.

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

**Note:** To maintain or improve performance, periodically clean the stainless steel electrodes by rinsing in isopropyl alcohol.



### CALIBRATION:

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

1. Measure the TDS 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 value of the known Calibration Standard.

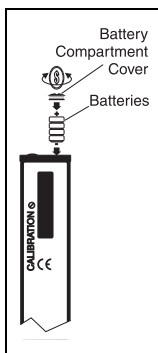
Calibration Standards are available (100 mL).

### Cat. No.

23075-42	180 $\mu\text{S}/\text{cm}$ NaCl	85.47 mg/L as NaCl
14400-42	1000 $\mu\text{S}/\text{cm}$ NaCl	491 mg/L as NaCl
2105-42	1990 $\mu\text{S}/\text{cm}$ 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.



### WARRANTY:

Hach Company warrants this product against defective materials or workmanship for six months from date of shipment. Warranty does not apply to batteries. See back of invoice for complete warranty information.

Hach also offers Pocket Pal Testers for pH, temperature, and conductivity.

To place an order, contact us at the address below or in the U.S.A call:

**Toll-free 800-227-4224.**

**HACH COMPANY**  
P.O. Box 389, Loveland, CO  
80539-0389 U.S.A.  
Phone: 970-669-3050

**HACH EUROPE S.A./N.V.**  
Chaussée de Namur, 1  
B- 5150 Floriffoux, (Namur), Belgium  
Phone: (32)(81)44.71.71