

CDH-4X CONDUCTIVITYSTIK™

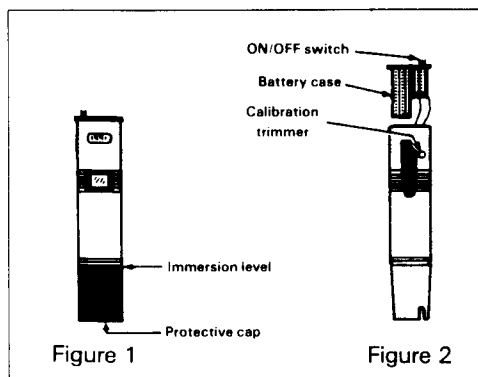
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GENERAL DESCRIPTION

The OMEGA CDH-4X Conductivitystik™ conductivity tester is an economical, portable handheld unit. The CDH-4X features large display numerics for easy reading, automatic temperature compensation, and a calibration trimmer. All readings are referenced to 25°C using a 2% per °C temperature coefficient. The CDH-4X reads out in microsiemens (μS) directly.

OPERATING PROCEDURE

1. Remove black protective cap.
2. Turn the CDH-4X on by the On/Off switch on the top of the unit.
3. Dip the CDH-4X in solution up to the immersion level. Under no circumstances immerse the unit above the immersion level. Refer to Figure 1.
4. Stir gently and allow a few seconds for reading to stabilize.
NOTE: If this is the first time the unit is being used, it may require extra time for reading to stabilize.
5. Units are shipped factory calibrated; however, should calibration be required, immerse the unit in a standard solution of known value. The value of this solution should be close to that of the solution to be measured. To calibrate the CDH-4X, adjust the calibration trimmer located on the reverse side with a small screwdriver until the LCD display matches the value of the standard solution.
6. To improve performance, clean the stainless steel electrodes periodically with a mild detergent or solvent (i.e. alcohol) because particulates can build up. Rinse with distilled or de-ionized water.
7. To change batteries, pull out the battery case and replace batteries. Refer to Figure 2.
8. When not in use, switch off the instrument. Rinse electrode with distilled or de-ionized water and shake off excess water. Replace protective cap.



SPECIFICATIONS

RANGE:	1 to 199 μ S
RESOLUTION:	1 μ S
ACCURACY:	\pm 2% Full scale
ELECTRODES:	Stainless steel
OPERATING TEMPERATURE:	5 to 55°C, 41 to 131°F, Automatic temperature compensation using a precision thermistor with a 2% per °C temperature coefficient; readings referenced to 25°C.
BATTERY:	Four 1.5V
BATTERY LIFE:	200 Hours
DIMENSIONS:	5.9"H x 1.26"W x 0.59"D (15 x 3.2 x 1.5 cm)
WEIGHT:	2.1 oz. (60 g.)

*NOTE: OMEGA Engineering offers Conductivity Standard Solutions traceable to NIST. CDS-45 (45 μ S/cm); CDS-450 (450 μ S/cm); CDS-1500 (1500 mS/cm); CDS-4500 (4500 μ S/cm).

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RETURN REQUESTS/INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA ENGINEERING Customer Service Department. Call toll free in the USA: 1-800-622-2378, FAX: 203-359-7811; International: 203-359-1660, FAX: 203-359-7807.

BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, YOU MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OUR CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. That way our customers get the latest in technology and engineering.

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