Method

Conductivity (or Specific Conductance) is the measure of the electrical current carrying capacity of a solution. Ionized dissolved solids in water have the ability to conduct an electric current. The conductivity of pure water is very low and increases proportionally to the level of contamination present. Accurate conductivity measurement is extremely important in industrial water treatment applications, as it allows for the calculation of total dissolved solids in raw water, boiler water, condensate, and other process waters. Conductivity is also frequently tested for in environmental applications.

Method of Operation.

To operate the CHEMetrics Conductivity Meter, switch unit on, remove the electrode cap, immerse the probe into the sample, making sure that the sensor is fully covered. Wait for the readings to stabilize (Automatic Temperature compensation corrects for temperature changes). Take measurement. To clean the electrode, simply rinse it in tap water.

FEATURES
• Replaceable electrode
• Waterproof, dustproof
• Push-button calibration
• Automatic temperature compensation (ATC)
• Auto-shutoff

Instrument

Range: 0-2000 µS and 0-20 mS (0-20,000 µS)

Conductivity Meter	Cat# I-1200

Instrument comes in a plastic storage case and includes an electrode and cap, four 1.5 V alkaline batteries, and instructions.

Accessories

Description	Cat#
Electrode for TDS and Conductivity, Warranty 6 months	A-0176
Conductivity/TDS Singles, (20 ea) 1413 µS, Shelf-life 3 months	A-0178
Conductivity/TDS Singles, (20 ea) 15,000 µS, Shelf-life 3 months	A-0189
Carrying Case (holds two pH I-1000, TDS I-1100, or Conductivity I-1200 meters)	A-0179

Instructions are posted on our website.

FEATURES

Range: 0-2000 µS and 0-20 mS.

Resolution: 10 µS; 0.10 mS

Accuracy: ±1% full scale.

Calibration Type: Manual or Automatic with 1413 µS Conductivity Singles

Operating Temperature: 0 to 50°C (32 to 122°F).

Power and battery life: Four 1.5 V alkaline batteries (supplied). 100 hrs. continuous use (approx).

Pocket-sized: 6.5″ length x 1.5″ diameter

Weight: 3.25 oz.(90 g)

Warranty: 1 year (electrodes 6 months)

Instruments are manufactured and guaranteed by Oakton Instruments, Inc.