DiCromat II & IIA Test for Probe Performance
Verification with 0.2% NaCl standard

I. MATERIALS

You will need the following items to perform this procedure:

1. At least 200 ml of 0.2% NaCl Solution. **Solution should be at room temperature, typically 19-21 °C as measured by the probe.** (0.2% NaCl w/v: 2.00 grams NaCl to 1000 ml of distilled water.)
2. 2, 250 ml beakers
3. Probe Cell Factor (CF) printed on probe cord

II. IMPORTANT POINTS

1. Always have a clean probe when using this procedure. See Cleaning Instructions.
2. Then flush the probe with the 0.2% NaCl solution to ensure the probe is not contaminated during the test.
    - Flow-Through Probe: pour a small amount of solution through the bore of the probe with the 0.2% NaCl solution prior to performing the test and discard
    - Dip-In Probe: pour a small amount of solution over the surfaces of the head of the probe prior to performing the test and discard.

III. Instructions

1. Carefully place the probe in the 18-pin probe connector on the rear panel. Align tab on probe plug with notch on port on back of machine. Do not force.

2. Select a calibration Set-Point that is not in use by pressing the “GO TO CAL” key and follow the prompts. This step is performed with a dry probe.
    - Cell Factor: See label on Probe Cord
    - Dilution Factor: 1
    - Select Units: % Salt
    - 10V Out = 0
    - Adjusted?: Press No
    - Meas’d: 0.00: Press Enter

3. Get your 0.2% NaCl solution. Press “GO TO RUN” to go to the selected Set-Point.
    Dip-In Probe: Immerse the probe in the solution
    Flow-Thru Probe: Pour the 0.2% NaCl solution into the column while blocking the flow with your finger.
    The display should read approximately 0.196-0.204% at room temperature. Note the temperature displayed. It should be around ambient room temperature, typically 19-21 °C.

4. If the reading is low, for flow through probes, clean the probe again using an abrasive cleanser and the probe brush and repeat this procedure. If the temperature reading is extremely high or low, this is a sign of a probe in need of replacement.