



Using the Conductivity Probe

Use this conductivity probe (Cat. No. 3223, 25-ft. cable or Cat. No. 5898, 50-ft. cable) with the 950 Flow Meter and 900 MAX Samplers.

Probe Preparation and Calibration

1. Before using the conductivity probe, soak the probe tip in distilled water for 30 minutes.
2. Connect the 4-pin connector on the probe cable to the conductivity junction box.
3. Connect the 10-pin connector on the junction box to the DO/COND 10-pin connector on the instrument.
4. Completely immerse the probe in a 1.0 mS standard solution (Cat. No. 3765).
5. Measure and record the temperature of the standard solution.
6. Stir with the probe to dislodge any air bubbles trapped in the cell chamber.
7. Wait for the temperature to stabilize.
8. Using [Table 1](#) and the temperature of the solution, adjust the meter reading on your instrument. For more information, see your instrument manual.

Table 1

Temperature (°C)	Calibration Value to be Entered
0	0.508
5	0.606
10	0.705
15	0.803
16	0.823
17	0.842
18	0.862
19	0.882
20	0.902
21	0.921
22	0.941
23	0.961
24	0.980
25	1.000

Maintenance

- If the probe is contaminated, soak it in mild detergent solution for 15 minutes. Do not use solvents to clean the probe.
- Clean the hole at the end of the probe with a small, soft bottle brush. **Do not use a brush to clean the probe slot (on the side of the probe).** This could damage the carbon measuring elements and cause measurement errors. If the slot is dirty, rinse with water.

Tips and Techniques

- Do not touch the probe surface with any hard object.
- Probe life averages 2 to 4 years, depending on use.
- Avoid submersion in grease or oil.



FOR TECHNICAL ASSISTANCE, PRICE INFORMATION AND ORDERING:
In the U.S.A. – Call toll-free 800-227-4224
Outside the U.S.A. – Contact the HACH office or distributor serving you.
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