



# Pro30

## Quick Start Guide

This pocket guide serves as a quick reference in calibrating and operating the Pro30 conductivity and temperature instrument. It is not intended to replace the information found in the User Manual.

### Calibration

The Pro30's temperature sensor cannot be calibrated nor should calibration be required. If the temperature sensor is not reading accurately, contact YSI or your local representative

The Pro30's conductivity sensor can be calibrated in conductivity, specific conductance or salinity measurement mode. Calibrating any option will automatically calibrate the others. YSI recommends calibrating in specific conductance for both ease and accuracy. The following steps outline the specific conductance calibration.

1. Fill a clean container (ie plastic cup or glass beaker) with fresh, traceable conductivity calibration solution and place the sensor into the solution. The solution must cover the holes of the conductivity sensor that are closest to the cable. Ensure the entire conductivity sensor is submerged in the solution or the instrument will read approximately half the expected value.
2. Gently agitate the probe to remove any air bubbles from the conductivity sensor.
3. Press and hold the **Cal** key for a few seconds. Highlight **Sp. Conductance** and press **Enter**.
4. Highlight the units you wish to calibrate, either **uS/cm** or **mS/cm**, and press **Enter**. 1 mS = 1,000 uS.
5. Next, use the up or down arrow key to enter the conductivity value of the solution as it is labeled for 25°C. (Specific conductance is temperature compensated conductivity and the instrument uses the default reference temperature of 25° when calibrating specific conductance.) Depressing either the up or down arrow key for 5 seconds will move the changing digit one place to the left. The Pro30 will remember the calibration value and display it the next time a calibration is performed.
6. Press **Enter** to confirm the calibration value.
7. Wait for the readings to stabilize and then press **Enter** to complete the calibration. Or, press **Cal** to cancel the calibration and return to the Run screen.

- 8. 'Calibration Successful'** will display for a few seconds to indicate a successful calibration and then the instrument will return to the Run screen.

If the calibration is unsuccessful, an error message will display on the screen. Press the **Cal** key to exit the calibration error message and return to the Run screen. See the Troubleshooting Guide in the Users Manual for information on how to correct the problem. Possible solutions may include cleaning the conductivity sensor, ensuring the correct value of the calibration standard is entered, ensuring the sensor is completely submerged in the solution and/or using a new solution.

## Taking Measurements

1. Ensure the conductivity sensor is completely submerged in the sample. The two holes near the cable should be covered by the sample for accurate conductivity readings.
2. Highlight **Save** and press **Enter** to store the reading. The instrument will confirm that the reading was successfully saved.

## Viewing and Deleting Saved Data

To view saved data, highlight **Data** and press **Enter**. Use the up or down arrow key to scroll through the saved data points. Press **Enter** to access the functions on the bottom of the display. From there, you can highlight **Erase** and press **Enter** to delete data. Or, highlight **ESC** and press **Enter** to return to the Run screen.

## Contact Information

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Visit **YSI.com/Pro30** to find the User Manual, specs, and accessories.

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