



pH/ORP Checkers/Simulators

pH Simulators will help you easily to troubleshoot problems with your pH control system and quickly identify which component in the system is causing your difficulty.

pH control loops can be difficult to troubleshoot unless you have the right tools.

For years, when faced with a pH error on his display, the typical customer would replace the old pH electrode. The old probe was tossed into the trash, and a fresh electrode was installed. If this solved the problem, all was well.

If the user did not have a spare probe on hand, a new one may have had to be shipped overnight at considerable expense. If the replacement probe did *not* solve the problem, time and money had been wasted.

The Sensorex pH checker simulates a perfect pH electrode. The technician selects a pH signal (4, 7, or 10) and connects the simulator to the cable assembly.

How the Simulator Can Help

If the controller displays the correct value, the electrode is bad and needs to be replaced.

If there is still an error on the display, another system component is at fault, and the checker will help you to determine which one is bad.

The simulator may be connected directly to the preamplifier, and the signal verified. If this solved the problem, the cable between the electrode and the preamplifier may be the culprit.

If the simulator is connected to the cables leaving the preamplifier and if the display is normal, the preamplifier needs to be checked. The problem could be a loose cable connection on the terminal strip, a bad cable, or a bad preamplifier.

If the simulator is connected directly to the controller and the display still shows error, it may be time to service the controller.

The simulator costs less than most pH electrodes. It can easily pay for itself the very first time you consider disposing of a perfectly good pH electrode.

You will be able to eliminate the electrode, cable, meter, preamplifier, or controller as the cause of the problem.

You may also check under high impedance condition--a most useful option with our checkers.

C110 pH Simulator

The Model C110 Checker/Simulator verifies pH and also incorporates +/- 700 mV outputs to verify ORP/REDOX instruments. This is an ideal unit for full pH and ORP/REDOX field troubleshooting. The compact case uses a water-resistant rubber key pad that feels nice to the touch.

Impedance loaded or no load signals may be generated with this unit. Included with the checker is a CX2 interconnect cable with BNC connector. Accessory Model CX2 cables with a wide variety of connectors are sold separately. Order your C110 Simulator today.