pH Control System

In Tank Sensor

This sensor assembly may be mounted to the cover of the ink pail or to a Norcross viscosity measuring element (shown below).

The sensor tip is connected to a transmitter, by means of a plastic pipe with internal wiring. The transmitter converts the native pH probe signal into a 4-20madc signal. A signal suitable for transmission to the remotely mounted MP2000pH controller.

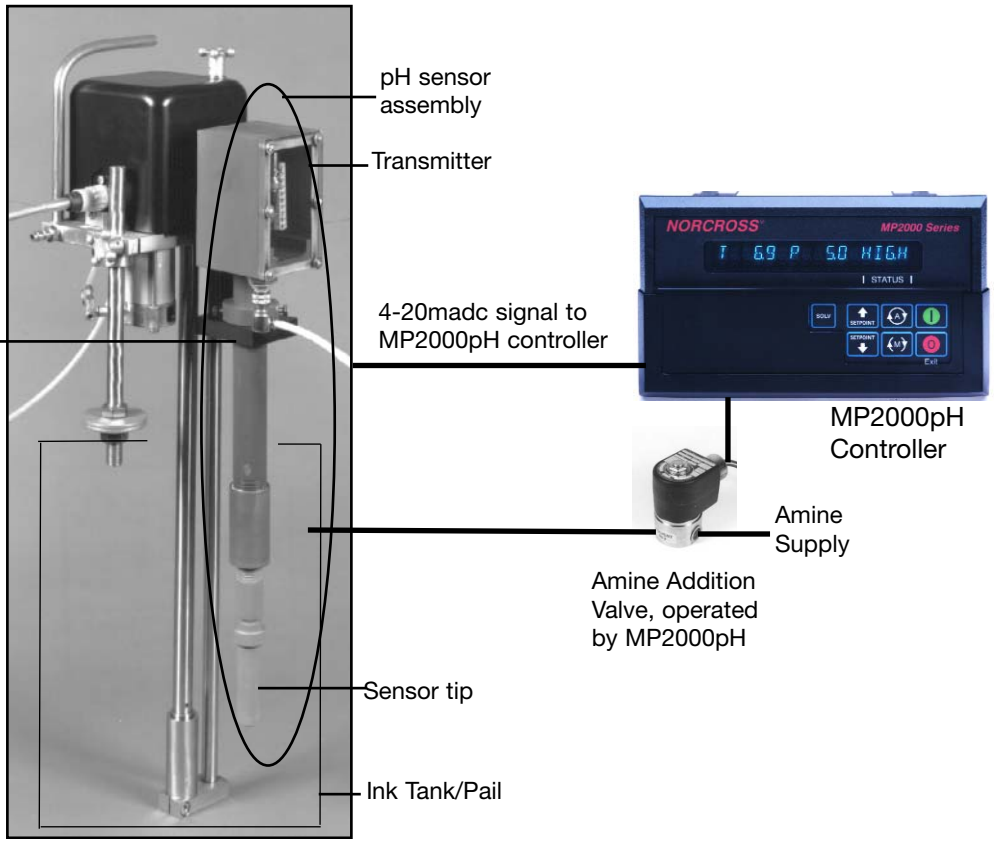
The operator puts the desired pH value into the controller as a set point. The controller compares the setpoint with the actual pH value. When the pH drops below the setpoint, the controller turns on an amine addition valve, for an appropriate time period.

The controller has an adjustable built in time delay which allows it to add amine once every 2 or more measurement as required.

All pH sensor assemblies require periodic calibration. In order to calibrate, you will need a recent buffer sample of 10, a recent buffer sample of 7, and a pH tester. See literature 04_pH_Calibrating_Sensor (7.1.3) for more information.

The end of the pH sensor assembly must always be in ink or water. If the tip is allowed to dry or is damaged, it must be replaced and the whole assembly recalibrated.

Tank mount pH assembly shown here, is mounted to a IS1M8BO Viscosity Measuring Element. The tank mount sensor can be mounted to the lid of an ink pail.



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