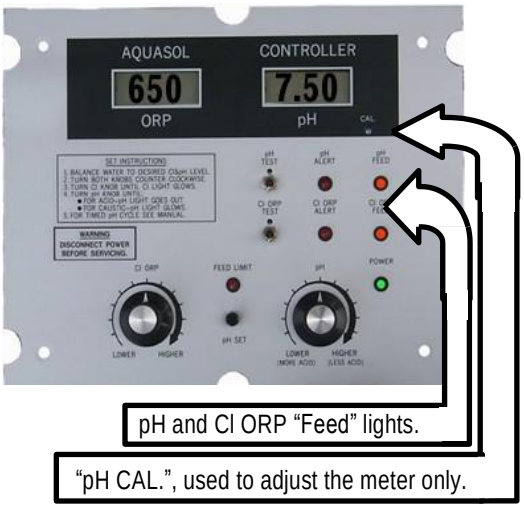
# Probe Testing of the *Aquasol* Chemical Control System

***Aquasol WTC*** **with** ***Stenner*** **liquid chlorine and muriatic acid pumps.**

# Probe Testing

## ORP Probe

**The Faceplate**




Testing ORP Probes is quite simple. As long as the milivolt value is between 650 – 825 milivolts, +/- 25 mv, when at the same time the "parts per million" value in the water is between 1-5ppm, the probe should be good.

NOTE: ALL negative readings for an ORP Probe means the probe is no good.

To do the ORP Probe Reaction Test, take a cup of pool water. Put the probe into the cup of pool water while still plugged into the controller. Add a"cap-full" of acid. The milivolt value should go over 1000mv instantly.

**NOTE: National Swimming Pool Foundation states that in regards to ORP Technology, the minimum acceptable milivolt value, to establish instant "kill-factor" from sanitizer is 650 milivolts.**

## pH Probe

There are two basic ways to test pH probes. First take a bottle of Buffer 4 solution. Plug the probe's BNC connector into either a hand-held ORP meter or plug into the ORP side of the Aquasol controller. Dip the tip of the pH probe into the solution. The milivolt value should read +168 mv (+/- 20mv).

OR

If the pH probe being tested is being used on any of Aquasol's controllers with digital readout, the following pH probe test can be done. Take a fresh DPD Test Kit reading. Write down the result. Unplug the pH probe from the pH side and plug into the ORP BNC.

Compare milivolt value to pH value.

Use the following chart to compare: