Why Our Amperometric Chlorine Analyzer Stands Out

Accuracy

The FX-1000P uses the Amperometric test method. The Amperometric test method is the most accurate method for measuring chlorine residuals online. The accuracy of this type of test is better than plus or minus 1% (depending on the analyzer range.) To compare, the DPD colorimetric method is generally accurate within plus of minus 5%.

Chemistry

The FX-1000P uses ordinary food grade, 5% distilled white vinegar as a pH buffer, which is non-toxic, non hazardous, inexpensive, and available at any grocery store.

Range

The FX-1000P can read ranges as high as 60 PPM without dilution. Higher ranges can be measured with an optional dilution system. Bleaching out a DPD colored sample is not a problem that affects the Amperometric method. The operating range is field adjustable.

Control

The FX-1000P has a continuous "on-line", electrically isolated output signal, display, and alarm circuit designed for set-point controller, computer, or monitoring applications. The residual reading is exactly what is in the cell at that moment: there is no sample and hold delay. The electrical isolation provides an electrical safety barrier and eliminates any potential "ground loops" in wiring.

Maintenance

Just change the vinegar when it runs out. The FX-1000P's sensor cell is self-cleaning, utilizing a continuous mixer, cleaning balls, and the distilled white vinegar buffer solution. There is no requirement to replace tubing quarterly and there are no membranes to clog and replace.

Versatility

The FX-1000P works where some colorimetric or probe type analyzers do not or cannot ever work properly. It does not require lab conditions to operate. With its high degree of accuracy and repeatability, it is being used to measure and control fresh water, waste water, food processing, cooling tower, and a variety of other applications throughout the world.

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