



Automation System Selection Guide

Pulse Instruments Automation Systems allow flexibility in their selection features to fit any water disinfection process or size of operation, and meet the needs of increasingly demanding food safety and HACCP programs. From the simple System 2 to the most feature rich EP500, all systems allow for complete hands free chemical automation and control with recording capabilities.

System 2 for simple applications, such as bin and tray washing or other non-food contact processes.

System 3 for simple and small to medium wash systems, flumes and dip tanks.

System 4 for larger wash systems with long wash lines and flumes with multiple commodities.

EP500 for larger wash systems with long wash lines and flumes with multiple commodities and measure multiple parameters including chemical concentration (ppm).

Applications

- Flume Wash
- Wash Tanks
- Hydrocoolers
- Ice Injection
- Dump Tanks
- Water Systems



System Features	System 2	System 3	System 4	EP500
Oxidizer (ORP) Control	x	x	x	x
Acid (pH) Control	x	x	x	x
Base (pH) Control	x	x	x	x
Full Automatic Control	x	x	x	x
Easy Probe Access for Calibration	x	x	x	x
Nema 4X Enclosure	x	x	x	x
One Touch Calibration	x	x	x	x
Interface to Data Recording Devices	x	x	x	x
Simple Alarm Light	x	x	x	x
plc Based Control		x	x	x
Priority Acid Control over Oxidizer		x	x	x
Alarm System with Safety		x	x	x
Alarm Strobe Light		x	x	x
Temperature Display		optional	x	x
Proportional Chemical Control			x	x
External Relays (High Reliability)			x	x
Keypad Programming			x	x
Built-in Data Recording				x
Front Screen Access				x
Modular Measurement System				x
Direct Free Chlorine (ppm)				x
Total Dissolved Solids Control or Turbidity				x
Direct Chlorine Dioxide (ppm)				x
Direct Dissolved Ozone (ppm)				x