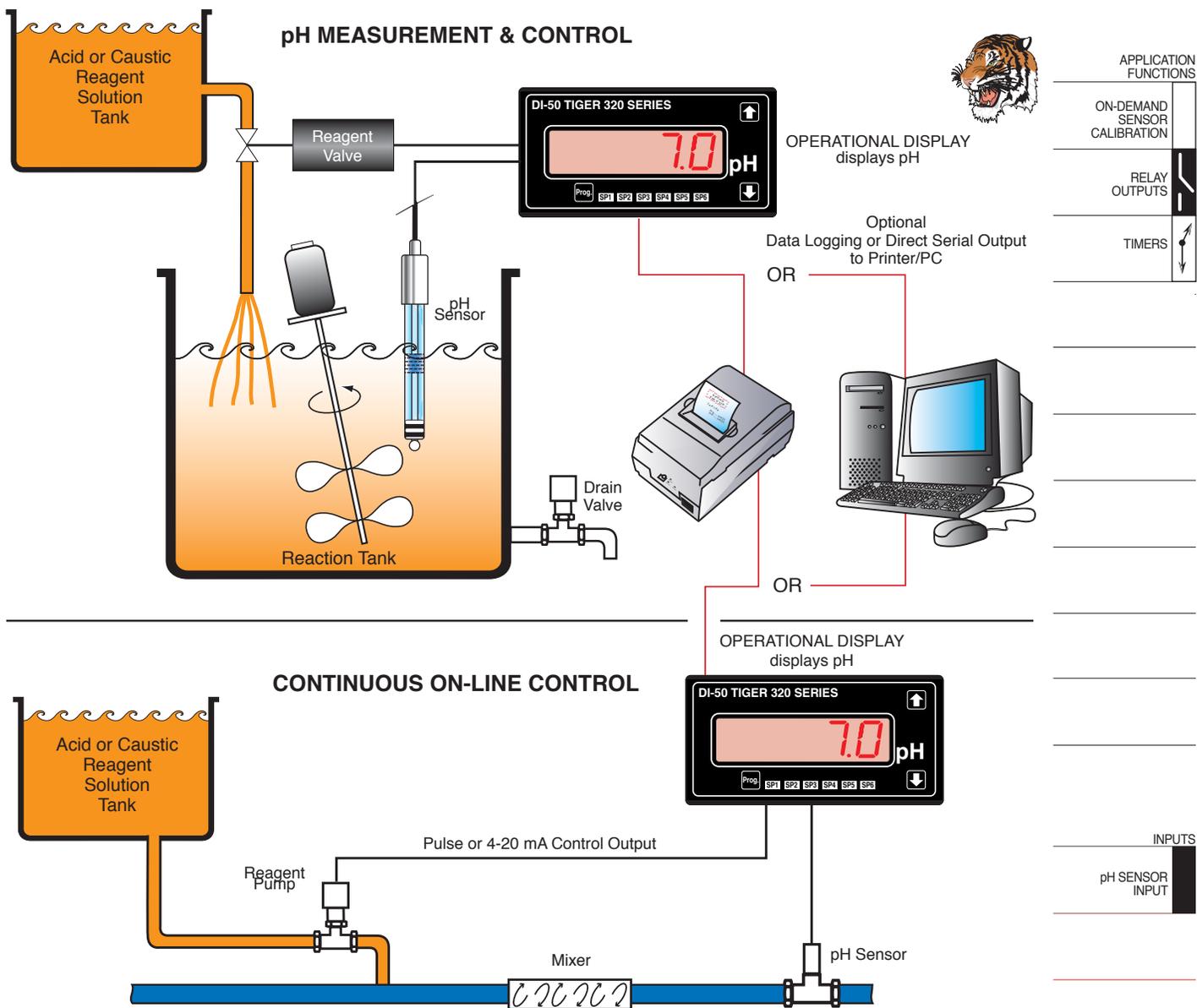


The Tiger 320 Series controller using a pH sensor input module operates directly with standard pH sensor outputs. For quick and easy sensor calibration, the Tiger 320 Series controller has On-demand single and two-point calibration functions from the front panel program button.

The relay outputs controlling the pH reagent are programmed in the repeat mode (programmable OFF/ON-time). After a selected time interval, the solution pH is checked (OFF-time), and if reagent is required, a programmed (ON-time) amount of the reagent chemical (acid or caustic) is added. The cycle continues until the reaction tank is at the correct pH level.



**APPLICATION VARIATIONS**

- RTD input for temperature compensation.
- Relays for temperature control and alarm functions.
- A small macro can be added so that the reagent relay ON time is automatically adjusted to regulate the reagent flow proportionally relative to the pH setpoint error.
- Automation output for sensor retraction and calibration.
- PID control.
- Data logging.
- Batch processing.
- Continuous on-line control.
- Analog output

**Suggested Ordering Code Options for This Application**

Basic Order Codes	Comments
<b>DI-50E-DR-PS1-IH01-OR11-S2</b>	Relay to control reagent Valve. Serial Comm. to printer or PC
<b>DI-50E-DR-PS1-IH01-AIC-S2</b>	4-20mA analog output control Reagenet Valve.

TEMPERATURE T/C, RTD