

AST-400SY

Multi Station Viscosity Controller



The AST-400SY is designed for use with the Brookfield AST-100TSY system to monitor viscosity, display temperature, interlock with other process devices, and accurately control fluid viscosity in a variety of industrial applications.

The AST-400SY is a precise, 10-station programmable controller with individual station timed dosing intervals. Its intuitive main screen layout allows for quick individual station selection of setup and menu items. At a glance, set point and alarm status are displayed as are viscosity in cP, mPa•s, cSt or cup-seconds, current pH value, and temperature in °C or °F for all stations.

Additional features include:

- Viscosity and pH data trending
- pH and pump interlock
- Multi-level password protection
- Viscosity high/low alarms
- Main screen job run display
- Standby All/Auto toggle button
- Job Recipe/Auto/Load/Save selection button
- Unit-to-unit toggle button to access specific unit detail screen

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AST-400SY Specifications

Operator Interface:	TFT, 256 color, graphical touch screen display, 10-inch (diagonal)
Enclosure:	NEMA-4 (IP65)
Operating Environment:	0°C to 45°C (32°F to 113°F)
Electrical Input:	90-264 VAC, 47-63 Hz, self-sensing
Power*:	5A, 500 Watts
Current*:	1.2A
DC Inputs*:	One discrete for feed pump interlock
Isolation Voltage:	1500 V RMS field side to logic side, 500 V RMS between groups
Analog Input*:	4 to 20 mA for pH input, 8 bits resolution
Relay Outputs*:	Three Form A (SPST), normally open, non-latching: <ul style="list-style-type: none"> • One for dosing • One for high alarm indication • One for low alarm indication • Rating: 2 amps at 24 vdc and 240 VAC

*Per station

Specifications subject to change without notice.

