

Series 9220

state of the art multi-loop PID controller, engineered specifically with a focus on vacuum furnace applications

Vacuum Furnace Controller

Series 9220 includes

- Programmable controller (300 24-step programs)
- Expandable load T/C support
- Direct connection to vacuum gauges
- Interfaces with most vacuum controllers
- "Outgas" alarm
- Load T/C alarms
- Recipe driven
- Guarantee on load and control T/C's
- Multiple auto-switching PID's
- Video Recorder

Unique features

- 16 PIDs via program "opcode"
- Band limits for each process variable
- Guarantee soak timer based on auxiliary load T/C's (Work/Part T/C)
- Extended I/O via PLC
- User selected PID settings for optimal control
- Overshoot suppression logic
- 3 PID sets per loop used with defined temperature switch point
- Ability to guarantee soak times on vacuum level
- User defined process variable curves for non-standard inputs
- Manage I/O through pre-defined vacuum or temperature set points

Software Configuration/Remote Management



Available Screen Sizes:
3.5", 5.7", 12.1"

-mail Alarm Notification



Built in Chart Recorder with Notes



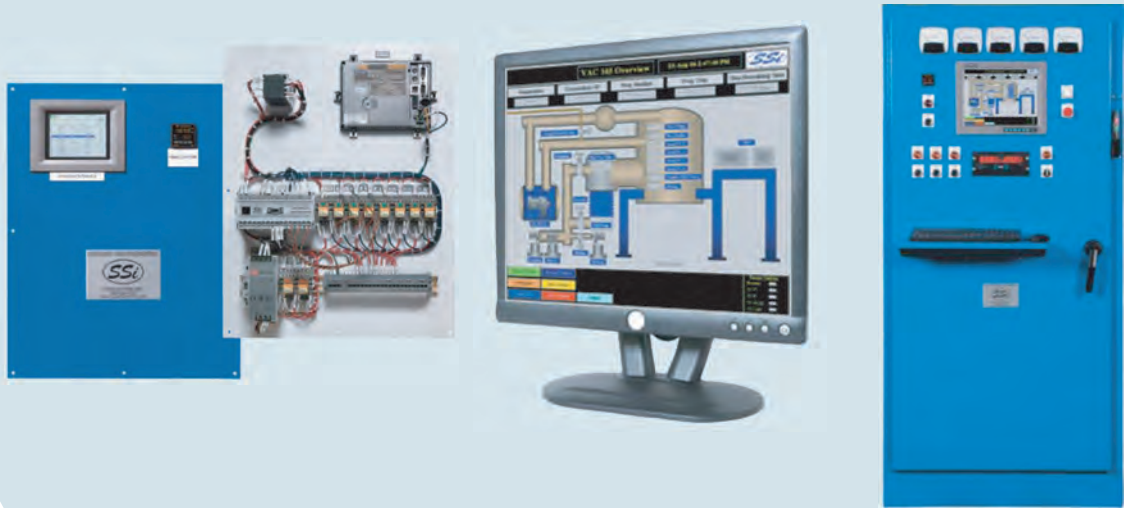
Alarm log with e-mail capabilities
Easy to use recipe programmer
Universal MODBUS communications
Configurable event management
Digital data recorder
Optional batch database for load tracking

Mini Batch



- Load tracking in the controller
- Load history reports
- Remote software

Vacuum Control Solutions



Model 5000 shown above with optional Televac MM200

Used to run complex vacuum processes with a user-friendly operator interface

Model 9220 Features

Control Loops	Temperature and Vacuum (3 Loops)
Analog Inputs	Three
Analog Outputs	Two (0-20mA or 4-20mA)
Digital Inputs	Four
Digital Outputs	Eight configurable relay outputs
Communication Ports	One - RS232 Three - RS485 ETHERNET
Display	5.25" Color touch screen Video recorder with "NOTES" Removable storage media PC interface with SuperDATA
Programmable	300 24-Step recipes Vacuum specific "opcodes"
Events	User defined
Web Browser Enabled	Remote PC view (standard browser)
Mounting	DIN rail or sub-panel mounting
Power	24VDC (SSi # 31135)



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