LACO TECHNOLOGIES

VC-2500 VACUUM CONTROLLER

The VC-2500 Vacuum Controller is a cost-effective vacuum system automation solution for applications such as vacuum degassing, altitude simulation and product testing. Featuring software that enables unique test recipes for your application requirements, the VC-2500 provides flexible control of single pump vacuum systems. The VC-2500 integrates the vacuum transducer with the vacuum and vent valves for automated operation.

VC-2500 Vacuum Controller

STANDARD FEATURES

- Program evacuation, vent, and hold conditions in any sequence from ATM to 10^{-3} Torr
- Graphical display of vacuum data
- Log data directly to USB drive
- Auto control of electric valves
- Full RS232 serial interface control for remote integration
- Manual or auto control for valves (vent and vacuum)
- Test up to 5 configurable recipes of 20 steps per recipe
- Controller includes gauge, valves, and cords

APPLICATION EXAMPLES

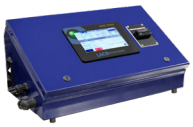
- Vacuum Degassing
- Altitude Simulation
- Vacuum Coating
- Package Testing
- Product Testing
- Research & Development

SPECIFICATIONS	
	DESCRIPTION
CONTROL SYSTEM	Micro Controller with 7-inch Color Touch Screen
REMOTE COMMUNICATION INTERFACE	RS232
ELECTRICAL REQUIREMENTS	110-240 VAC (15 amps max)
DATA STORAGE	USB Drive
DIMENSIONS (WxHxD)	12 x 9 x 8 in (30.5 x 23 x 20 cm)
CONFIGURATION	Table-top, Cart, or System Frame Mount
RECIPES	Vacuum, Time, and Hold
VACUUM LEVEL	ATM to 10^{-3} Torr
UNITS	Torr, psia, psig, inHgA, inHg, mbar, ATM, Pa, feet, meters, hPa, microns

Table-top vacuum system with VC-2500 Vacuum Controller

For fully customizable and automated vacuum control, turbo pump valve sequencing, and pneumatic valve control, upgrade to our VC-3500 Vacuum Controller. For applications requiring both vacuum and temperature control, our HVC-2500 and HVC-3500 controllers offer customizable temperature control to their vacuum controller counterparts.

LACO CONTROLLER SPECIFICATIONS

	VC-1000	VC-2500	VC-3500	HC-1000	HVC-2500	HVC-3500
IMAGE						
DESCRIPTION	Vacuum Control Package	Vacuum Controller	Vacuum Controller	Heat Controller	Heat & Vacuum Controller	Thermal Vacuum Controller
CONTROL SYSTEM	N/A	Micro Controller with 7-inch Color Touch Screen		N/A	Micro Controller with 7-inch Color Touch Screen	
COMMUNICATION INTERFACE	N/A	RS232	RS232/Ethernet	RS485	RS232	RS232/Ethernet
ELECTRICAL REQUIREMENTS	110-250 VAC (5 amps max)	110-240 VAC (15 amps max)	120 VAC/15 Amp or 208-240 VAC/15 Amp	110-240 VAC (15 amps max)	120 VAC/20 Amp or 208-240 VAC/20 Amp	120 VAC/20 Amp or 208-240 VAC/20 Amp
DIMENSIONS (WxHxD)	8 x 7.5 x 8 in 20 x 19 x 20 cm	12 x 9 x 8 in 30.5 x 23 x 20	12 x 9 x 12 in 30.5 x 23 x 30.5 cm	10 x 12 x 6 in 25.5 x 30.5 x 15 cm	24 x 9 x 12 in 61 x 23 x 30.5 cm	24 x 9 x 12 in 61 x 23 x 30.5 cm
CONFIGURATION	Table-top or Cart Mount	Table-top, Cart, or System Frame Mount	Table-top, Cart, or System Frame Mount	Table-top or System Frame Mount	Table-top, Cart, or System Frame Mount	Table-top, Cart, or System Frame Mount
RECIPE TYPES	N/A	Vacuum, Time, and Hold	Vacuum, Time, and Hold	N/A	Vacuum, Time, Hold, and Heat	Vacuum, Time, Hold, and Temperature
RECIPE CONFIGURATIONS	N/A	Up to 5 configurable recipes	Up to 20 configurable recipes	N/A	Up to 5 configurable recipes	Up to 20 configurable recipes
SOFTWARE CUSTOMIZATION	N/A	No	Yes	N/A	No	Yes
DATA STORAGE	N/A	USB Drive	Micro SD Card, USB Drive	N/A	USB Drive	Micro SD Card, USB Drive
TURBO PUMP CONTROL	N/A	N/A	Auto	N/A	N/A	Auto
VALVE OPERATION MODE	Manual Vent and Evacuation, Auto Evacuation	Manual or Recipe	Manual or Recipe	N/A	Manual or Recipe	Manual or Recipe
VACUUM LEVEL	ATM to 10^{-3} Torr	ATM to 10^{-3} Torr	ATM to 10^{-7} Torr	N/A	ATM to 10^{-3} Torr	ATM to 10^{-7} Torr
VACUUM PUMP ON/ OFF RELAY OPTION	N/A	Yes	Yes	N/A	Yes	Yes
VACUUM VALVE TYPE	Electric	Electric	Electric or Pneumatic	N/A	Electric	Electric or Pneumatic
TEMPERATURE CONTROL TYPE	N/A	N/A	N/A	Heat	Heat	Heat or Cool
TEMPERATURE READING DISPLAY	N/A	N/A	N/A	Single	Multiple	Multiple
TEMPERATURE SETPOINT PID CONTROL	N/A	N/A	N/A	1 Zone	1 or 2 Zones	Multiple Zones
HEAT OVER-TEMPERATURE ALARM	N/A	N/A	N/A	No	Yes	Yes
VACUUM UNITS	Torr	Torr, psia, psig, inHgA, inHg, mbar, ATM, Pa, feet, meters, hPa, microns		N/A	Torr, psia, psig, inHgA, inHg, mbar, ATM, Pa, feet, meters, hPa, microns	