

VACUUM TECHNOLOGY Hositrade

Small Ion Pump Controller (SPC)

From low vacuum starts to unexpected vacuum events, an ion pump controller needs to deliver power from microamps to tens of milliamps at operational voltages. Our SPC Series Controllers are capable of delivering the critical power needed to an ion pump while precisely monitoring the vacuum environment when power requirements are minimal in order to react within milliseconds to a situation. Critical reactant controls include varying power, shutting down the pump to avoid damage, and sending preprogrammed commands through various communications protocols.

Features:



- Provides a cost-effective solution for pumps <40 L/sec., or for operating larger pumps if thoroughly roughed or previously started
- Performs all startup, control, and monitor functions
- Microprocessor-based design provides flexibility and enables user to do several things at the same time
- Contains a programmable process control relay set point, a communications interface, and one high-voltage module
- Design—1/4 rack, 3.5" (2U) high design
- Can be configured to control Varian Ion Pumps
- CE listed

Specification:

Maximum Number Pumps Can Operate 1

Recommended Maximum Pump Size — L/s 40

Input Voltage 110, 240 VAC, 24 VDC

Dimensions — in. (mm) (Height x Width x Depth) 3.4H x 5.6W x 8.2D (85.3 x 142.4 x 208)

Output Voltage (Open Circuit) \pm 3.5 kV-7 kV, Programmable

Output Current (Short Circuit) 15 mA

Power (Maximum) 20 W

High Voltage Connector 1 King Type 1064-I

Front Panel Display LED Digital Pressure (Pascal, mbar, Torr) Current Voltage

Output Analog, 0 to 7 VDC Linear Proportional to Voltage; Analog, 0 to 15 VDC Linear Proportional to Current

Communications RS-232 (Standard), RS-422, RS-485

Weight — lbs. (kg) 3.3 (1.5)