

PS400 CONTROL SYSTEM

GENERAL INFORMATION

The MELLEN Model PS400 is a phase angle temperature control system. This specially designed power supply uses a power control SCR rather than a standard current limit SCR. This ensures process repeatability and element life through control of the actual power to the elements rather than the current. It includes the following major components:

1. A customer specified digital temperature controller.
2. A furnace specific number of phase angle fired power limiting SCRs.
3. A circuit breaker with appropriate voltage and amperage ratings to permit connection to customers main power source.
4. MELLEN Control Cabinet to house all control system components.
5. All necessary wiring, terminal boards, interconnections, etc to create a completely operational system.

CUSTOMIZATION

The temperature control system can be customized through many different devices. If there are any additional requirements you may have for your assembly that are not on this list, please let MELLEN know and we will do our best to meet your requirements. Any of the following products are available for the temperature control system:

1. Any number of thermocouples is available for a wide temperature range.
2. Transformers are available to raise or lower AC voltages.
3. A rack mounted cabinet option is available to mount the control system at a specific position in the lab.
4. An over temperature alarm utilizing an independent, digitally indicating, digital setpoint "hi limit alarm" controller is available to prevent the furnace from over heating the work charge.



SERIES	PS400
TYPE	Temperature Control System

*As always, if this product does not meet your requirements, please contact us.
Mellen will work with you personally to create a product that best suits your needs every time.*

Prices are valid until 2018.

