



RC 900 Temperature Controller



The ESS, Inc. RC 900 temperature controller boasts a host of standard advanced features in a compact package. Microprocessor based digital control with a dual LED display offers state of the art control. A user device probe allows the device under test to be continuously monitored. Cascade software delivers rapid thermal ramp rates with minimal overshoot and eliminates temperature error between the device under test and the thermal platform.

Easily programmable ramp and soak profiling allowing three set points and three soak periods is available from the front panel. Ramp to set point thermal rates can be programmed individually or as a part of the programmable profile.

EIA-232 serial communications using is standard for interfacing to remote computers. An optional IEEE-488 GPIB interface can be factory or field installed. The case of the RC 900 has been designed to help conserve valuable space in test instrument racks. The controller is 2 units (3.5") tall and will use only half of a 19" rack space. Mounting ears are available to install the RC 900 alone or with another half rack width instrument. Robust PID (proportional, integral, derivative) software yields precision temperature control with minimal overshoot. A latching redundant failsafe system insures safe and reliable operation.



Standard Features:

- Programmable ramp to set point
- Programmable ramp & soak profiles
- Cascade control software
- User device probe
- μ P based digital control
- Dual LED display
- 19" Rack mountable (2U x 1/2 rack wide)

Powered by your choice of:
110/120 50/60Hz or
230/240 50/60Hz



Optional IEEE-488 GPIB interface.
Standard Serial EIA-232 communication interface.

Operator Interface	Dual 4 digit LED (upper display 10 mm lower display 8 mm)
Input 1 and 2	Thermocouple or RTD
Output 1	Heat
Output 2	Cool
Communications	EIA-232 ASCII Xon/Xoff protocol and/or IEEE-488 GPIB
Profiles	1 file, 8 steps, up to 255 repeat cycles
EIA-232 Connector	Standard 9 pin "D" type