3 Specifications and Environmental Conditions

3.1 Specifications

Operating Range	300°C to 1100°C
Stability	± 0.5°C
Uniformity	±0.5°C at 660°C ±1.0°C at 1000°C
Set-Point Resolution	0.1°C
Display Resolution	0.1°C below 1000°C, 1°C above 1000°C
Display Accuracy	5°C
Heater Power	2500 Watts
Exterior Dimensions	34" H x 13.5" W x 13.5" D
Power Requirements	230 VAC (± 10%), 50/60 Hz, 1 Phase, 12 Amps
Thermal Wells	5 Wells: 8 mm dia. x 430 mm long
Controller	PID, ramp and soak programmable, thermocouple sensor
Fault Protection	Sensor burnout protection, over-temperature thermal cut-out, electrical fuse (15A, 250V)
Weight	61 lb. (28 Kg)

3.2 Environmental Conditions

Although the instrument has been designed for optimum durability and trouble-free operation, it must be handled with care. The instrument should be operated in a clean laboratory environment. Maintenance and cleaning recommendations can be found in the Maintenance Section of this manual.

The instrument operates safely under the following conditions:

- temperature range: 5 - 50°C (41 - 122°F)
- ambient relative humidity: 15 - 70%
- pressure: 75kPa - 106kPa
- mains voltage within ± 10% of nominal
- vibrations in the calibration environment should be minimized
- altitude less than 2,000 meters
- this instrument is designed for indoor use only