3 Specifications and Environmental Conditions

3.1 Specifications

Operating Range	33°C to 200°C (92°F to 400°F)
Accuracy	±0.5°C
Stability	±0.1°C
Resolution	0.1°C, 1°F
Stabilization	Approximately 10 minutes
Heater	150 Watt etched-foil, solid state relay controlled
Cooling	Internal fan
Plate	3.5 x 3.5 inches
Fault Protection	Sensor burnout protection, over temperature cut-out, electrical fuse
Power	115 VAC (±10%), 50/60 Hz, 2.5 amps [230 VAC (±10%), 50/60 Hz, 1.25 amps]
Size	4 x 7.5 x 10 inches (102 x 191 x 254 mm)
Weight	7 lb. (3.2 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 not be operated in an excessively dusty or dirty 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: 5–40°C (41–104°F)
- ambient relative humidity: 15–50%
- pressure: 75kPa–106kPa
- mains voltage within ±10% of nominal
- vibrations in the calibration environment should be minimized
- altitudes less than 2,000 meters