

## 3 Specifications and Environmental Conditions

### 3.1 Specifications

Specification	Hot Block	Cold Block
Range	50°C to 350°C (122°F to 662°F)	-15°C to 110°C (5°F to 230°F) [-8°C (17°F) to 110°C (230°F) when hot block is at 350°C(662°F)]
Accuracy (Ambient at 23°C ±5°C)	±0.6°C	±0.2°C
Stability†	±0.1°C from 50°C to 100°C ±0.05°C > 100°C	±0.05°C
Well-to-Well Uniformity	±0.1°C	
Display Resolution	0.1°	
Heating Times‡	30 minutes from 25°C to 350°C	15 minutes from 25°C to 110°C
Cooling Times‡	40 minutes from 350°C to 100°C	16 minutes from 25°C to -15°C
Stabilization Times	8 minutes	
Well Depth	4 inches(102 mm)	
Removable Inserts	Two 1/4"(6.4mm) and 3/16"(4.8mm) inserts included – other inserts available	
Power	115 VAC (±10%), 50/60 Hz, 3 A, 250 W [optionally 230 VAC (±10%), 50/60 Hz, 1.6 A, 250 W]	
Heater	135 W	40 W TED
Cooling	Fan	40 W TED
Size	7"H x 10.5"W x 9.75"D (178 x 267 x 248 mm)	
Weight	10 lb (4.5 kg)	
Safety	OVER VOLTAGE (Installation) CATEGORY II, Pollution Degree 2 per IEC1010-1	

†Stability is two times the standard deviation.

‡Heating and cooling times may be affected by line voltages and ambient temperatures.

### 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 - 50°C (41 - 122°F)