

3 Specifications and Environmental Conditions

3.1 Specifications

Range	35°C to 300°C
Stability (2 sigma)	±0.005°C at 100°C (oil 5012) ±0.010°C at 200°C (oil 5017) ±0.015°C at 300°C (oil 5017)
Uniformity	±0.007°C at 100°C (oil 5012) ±0.015°C at 200°C (oil 5017) ±0.020°C at 300°C (oil 5017)
Heating Time†	250 minutes, from 35°C to 300°C (oil 5017)
Cooling Time	480 minutes, from 300°C to 100°C (oil 5017)
Stabilization Time	15–20 minutes
Temperature Setting	Digital display with push-button data entry
Set-point Resolution	0.01°C; high-resolution mode, 0.00018°C
Display Resolution	0.01°C
Digital Setting Accuracy	±0.5°C
Digital Setting Repeatability	±0.01°C
Heater	650 Watts
Access Opening	6.8" x 3.7" (172 x 94 mm)
Depth	9.25" (234 mm)
Wetted Parts	304 Stainless Steel
Power†	115 VAC (±10%), 50/60 Hz, 7 Amps [230 VAC (±10%), 50/60 Hz, 3.5 Amps], 670 W
Volume	2.4 gallons (9.2 liters)
Weight	42 lb. (19 kg)
Size	12 x 21.5 x 18.5 inches (305 x 546 x 470 mm) off cart; 12 x 21.5 x 32.25 inches (305 x 546 x 819mm) on cart
Safety	OVERVOLTAGE (Installation) CATEGORY II, pollution Degree 2 per IEC 1010-1
Interface Package	RS-232 included, IEEE-488 optional

†Rated at listed 115 V (or optional 230 V)

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