

Section 2 General Information

Description

The Thermo Scientific STANDARD Series of thermostats are used with refrigerated and heated baths. All thermostats can pump to an external system. All controllers have a digital display and easy-to-use touch pad, five programmable setpoint temperatures, acoustic and optical alarms, and SC 150 and SC 150L units offer adjustable high temperature protection.

The SC 100 is designed to be used only with water or glycol-water. The SC 150 and SC 150L have an independent low liquid level protection, and a design that allows use of different heat transfer liquids, see Section 3.

STANDARD Thermostat Specifications

	SC 100	SC 150	SC 150L
Temperature Range	Ambient +13°C to +100°C Ambient +23°F to +212°F	Ambient +13°C to +150°C Ambient +23°F to +302°F	Ambient +13°C to +150°C Ambient +23°F to +302°F
Temperature Stability	±0.02°C	±0.02°C	±0.02°C
Heater Capacity 230V/115V	2000/1200 Watts	2000/1200 Watts	2000/1200 Watts
Immersion Depth mm inches	75 to 145 3.0 to 5.7	75 to 145 3.0 to 5.7	75 to 190 3.0 to 7.5
Dimensions (H x W x D) mm inches	336 x 138 x 199 13.2 x 5.4 x 7.8	336 x 138 x 199 13.2 x 5.4 x 7.8	384 x 138 x 199 15.1 x 5.4 x 7.8
Net Weight kg lb	3.3 7.3	3.3 7.3	3.3 7.3
Pumping Capacity			
Electrical Requirements (Voltage ±10%)	100 V/50 Hz 100 V/60 Hz or 115 V/60 Hz or 230 V/50 Hz		
USB Interface	No	Yes	Yes

- Performance specifications established in accordance with DIN 12 876 (using water at 70°C).
- Lower temperature ranges available with supplemental cooling.
- The maximum bath wall thickness for thermostats that have a factory installed clamp is 26 mm.
- Thermo Fisher Scientific reserves the right to change specifications without notice.