



Rheology Solutions

Rheology Solutions is the sole Australian distributor of this product range and we welcome the opportunity of discussing your application requirements.

*We hope the information you are seeking is contained within this file.
If you have any questions, or require further information please contact us.
We look forward to being of further service.*

Regards from the Team at Rheology Solutions.

RHEOLOGY SOLUTIONS PTY LTD. ACN 082 479 632

HEAD OFFICE: 15-19 Hillside Street, Bacchus Marsh, Victoria 3340 Australia. PO Box 754, Bacchus Marsh, Victoria 3340 Australia.

Telephone: +61 3 5367 7477 **Facsimile:** +61 3 5367 6477 **Email:** info@rheologysolutions.com **Website:** www.rheologysolutions.com

Thermo Scientific STANDARD and ADVANCED Series Thermostats

Versatile Thermostats in 2 Performance Levels

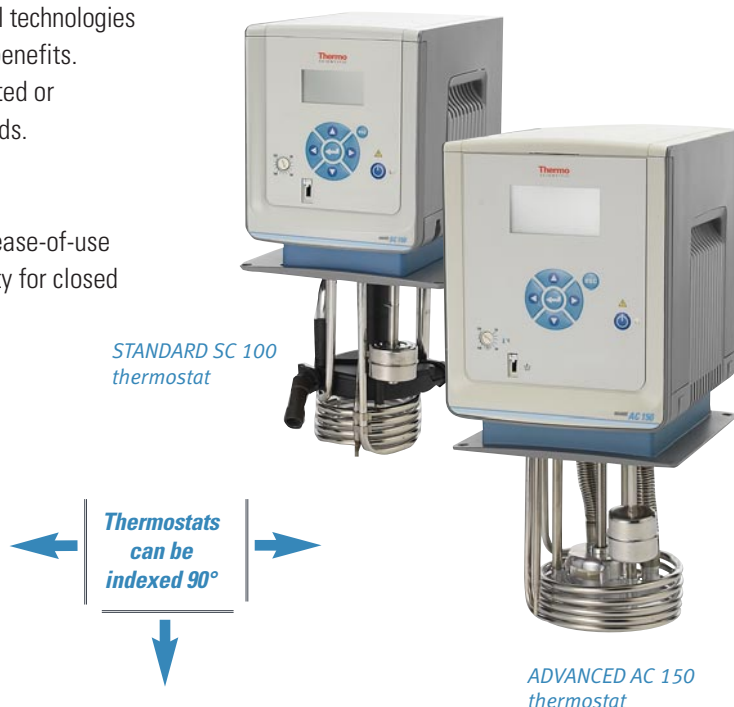
These NEW thermostats combine the best temperature control technologies offering 2 levels of performance with multiple features and benefits. Whether used alone or matched up with one of the refrigerated or heating baths, we offer a thermostat that will meet your needs.

The STANDARD (SC) Series of Thermostats

Choose from 3 options. These thermostats are designed for ease-of-use and energy efficiency. Powerful pumping and heating capacity for closed loop applications, this is an economical choice offering solid performance for applications ranging from -28°C to +150°C

The ADVANCED (AC) Series of Thermostats

Choose from 2 options. Additional features may be added when you need greater precision, force suction pump, external temperature probe, and temperature ranges from -40° to 200°C.



To purchase immersion circulators separately, please use the information below.

Description		Voltages		
		115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹
SC 100 thermostat w/clamp	Order no.	152-0018	152-0011	152-0016
SC 150 thermostat w/clamp	Order no.	153-0018	153-0011	153-0016
SC 150L thermostat w/clamp	Order no.	154-0018	154-0011	154-0016
AC 150 thermostat w/bridge	Order no.	155-0028	155-0021	155-0026
AC 200 thermostat w/bridge	Order no.	156-0028	156-0021	156-0026

A water cooling coil for the STANDARD and ADVANCED thermostats can be purchased separately as an accessory. See page 14.

Certification: ¹ CE ² c UL US ³ c RU US

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.

Step 1



Use the table below to **choose the thermostat that best fits your specific application requirements**. Then, match the thermostat to a refrigerated or heating bath.

Model	STANDARD series			ADVANCED series	
	SC 100	SC 150	SC 150L	AC 150	AC 200
Thermostat Performance					
Heating cap. @ 230V/115V (kW)	2/1.2	2/1.2	2/1.2	2/1.2	2/1.2
T max (°C)	100	150	150	150	200
Temp. stability (°C)	0.02	0.02	0.02	0.01	0.01
Max flow rate (l/min)	17	17	17	20	20
Max pressure (mbar/psi)	300/4.35	300/4.35	300/4.35	475/6.89	475/6.89
Max suction (mbar/psi)				330/4.85	330/4.85
Flow rate / pump speed steps	2	2	2	3	3
Immersion depth (mm)	75..145	75..145	75..190	75..145	75..145
Dimensions/Weight					
Display dimension (mm)	LCD 53x29	LCD 53x29	LCD 53x29	LCD 71x39	LCD 71x39
Overall dimensions (mm)	137 x 190 x 200	137 x 190 x 200	137 x 190 x 200	165 x 228 x 200	165 x 228 x 200
Net weight	3.3 Kg	3.3 Kg	3.3 Kg	4.2 Kg	4.2 Kg
Safety & Compliance					
Safety class acc. DIN12876	1 / NFL	3 / FL	3 / FL	3 / FL	3 / FL
Compliance	UL/CSA/CE	UL/CSA/CE	UL/CSA/CE	UL/CSA/CE	UL/CSA/CE
IQ/OQ	Optional	Optional	Optional	Optional	Optional
RoHS	•	•	•	•	•
Alarm Sources					
High temperature alarm	•	•	•	•	•
Low level alarm		•	•	•	•
Refrigeration alarm	•	•	•	•	•
Application threshold				•	•
Application alarm (external)*	Optional	Optional	Optional	Optional	Optional
Alarm indicators					
Acoustic alarm	•	•	•	•	•
Optical alarm	•	•	•	•	•
Connectivity					
Remote sensor port				•	•
Refrigeration port	•	•	•	•	•
USB port		•	•		•
Multi function port					•
RS232		Optional	Optional	Optional	Optional
RS485		Optional	Optional	Optional	Optional
Ethernet/LAN		Optional	Optional	Optional	Optional
Analog I/O box (new) own power		•	•		•
Displayed data					
Temperature	•	•	•	•	•
Setpoint	•	•	•	•	•
High temperature warning				•	•
Low level warning		•	•	•	•
High level warning				•	•
Alarm notification	•	•	•	•	•
Date & Time					•
Features					
Energy saving mode	•	•	•	•	•
RTA	•	•	•	•	•
°C/°F/K selection	•	•	•	•	•
Auto restart	•	•	•	•	•
System temperature limits	•	•	•	•	•
Application temperature limits	•	•	•	•	•
Solenoid valve for tap water					•
3-point calibration				•	•
On/Off timer	•	•	•	•	•
Preset temperatures	5	5	5	5	5
Ramp programs					1
Real time clock	•	•	•	•	•
Multiple languages	3	3	3	8	8