



INNOTEG USA

108 West 13th ST, Wilmington, DE 19801, USA
Mail: innoteg@innoteg-instruments.com
Web: www.innoteg-instruments.com

INNOTEG Asia

Suite 3605, AIA Kowloon Tower, Landmark East, 100 How Ming Street, Kwun Tong, Hong Kong
Mail: Innoteg-asia@innoteg-instruments.com
Web: www.innoteg-instruments.com

INNOTEG China

A08-09, No. 9 Mao Gang Nan Road, Yu Zhu Zhi Gu, Huang Pu District,
Guangzhou Province, P.R.China
Mail: Innoteg-cn@innoteg-instruments.com
Web: www.innoteg.com.cn



INNOTEG TCS-3
Laboratory Refrigerated Circulator

1 Excellent Temperature Control

TCS-3 offer proportional cooling control to ensure energy saving performance.

2 Efficient Circulation Mode

Pressure suction pump is used to reduce the frequency of maintenance, long life time and no limitation of circulator location.

3 Ease of Control

Temperature and flow rate can be controlled separately. Liquid level can be monitored by bath level indicator located at right hand side of circulator.



Bath Level Indicator



Control Panel

4 Safe and Protective Design

- Automatic pressure control provides stable pressure to connected equipment
- Water-proof and soft touch control panel
- LED display
- Memorize the previous setting

5 Flexibility

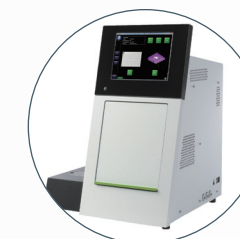
Heater as option to provide high temperature circulation.

Your Economy Choice

Small footprint, Sufficient power, Intelligent adjustment



Rotary Evaporator



Polarimeter



Electrophoresis Apparatus



Chromatographic Column



Continuous Flow Analyzer



TCS-3 SPECIFICATIONS

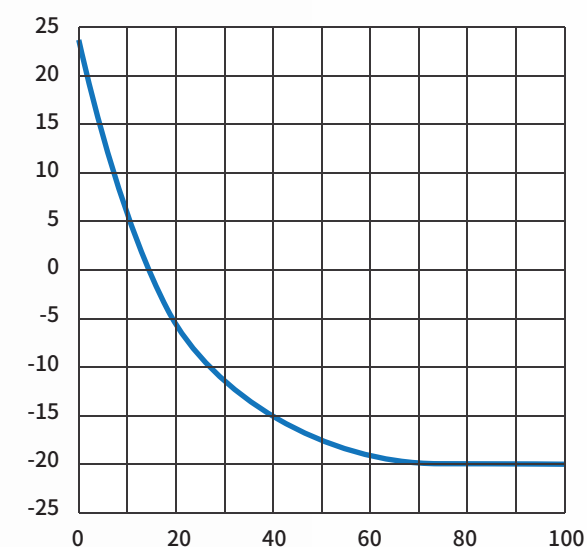
Model Name	TCS-3
Temperature Range	- 20 °C~RT
Temperature Stability	±0.3 K
Display Mode	LED
Temperature Sensor	PT 100
Pump Type	Pressure/Suction
Pump Pressure	0.2/0.1 bar
Maximum Flow	12 L/min
Connection Interface	8 mm
Bath Volume	5 L
Cooling Power	0.45 KW(10°C)/0.48 KW(20°C)
Overflow Protection	Yes
Input Power	320 W
Dimensions	222 x 480 x 495 mm
Weight	25 kg



COOLING CURVE

Monoethylene glycol / Distilled water 1:1

Temperature / °C



Cooling Time / min