



TS-100



TS-100C



TS-100C Smart

Temperature setting range	+25°C ... +100°C	+4°C ... +100°C	+4°C ... +100°C
Temperature control range	5°C above ambient ... +100°C	15°C below ambient ... +100°C	15°C below ambient ... +100°C
Temperature setting resolution	0.1°C	0.1°C	0.1°C
Temperature stability	±0.1°C	±0.1°C	±0.1°C
Temperature accuracy @ +37°C	±0.5°C	±0.5°C	±0.5°C
Average heating speed:	4°C/min from +25°C to +100°C	5°C/min from +25°C to +100°C	5°C/min from +25°C to +100°C
Average cooling speed:	—	from +100°C to +25°C 5°C/min from +25°C to +4°C 1.8°C/min	from +100°C to +25°C 5°C/min from +25°C to +4°C 1.8°C/min
Temperature uniformity over the block:	@ +37°C ±0.1°C @ +60°C ±0.2°C @ +100°C ±0.2°C	@ +4°C ±0.6°C @ +37°C ±0.1°C @ +100°C ±0.3°C	@ +4°C ±0.6°C @ +37°C ±0.1°C @ +100°C ±0.3°C
Temperature calibration coefficient range	0.936–1.063 (±0.063)	0.936–1.063 (±0.063)	0.936–1.063 (±0.063)
Speed control range	250–1,400 rpm	250–1,400 rpm	250–1,400 rpm
Acceleration time	3 s	3 s	3 s
Orbit	2 mm	2 mm	2 mm
Display	LCD, 2 × 16 signs	LCD, 2 × 16 signs	LCD, 2 × 16 signs
Digital time setting	1 min–96 h (1 min increment)	1 min–96 h (1 min increment)	1 min–96 h (1 min increment)
Timer sound signal	yes	yes	yes
Maximum continuous operation time	96 h	96 h	96 h
Overall dimensions (W×D×H)	220 × 240 × 130 mm	220 × 240 × 130 mm	220 × 240 × 130 mm
Weight	3.7 kg	3.7 kg	3.7 kg
Input current/power consumption	12 V, 3.5 A/42 W	12 V, 4.9 A/60 W	12 V, 4.9 A/60 W
External power supply	Input AC 100–240 V, 50/60 Hz; Output DC 12 V	Input AC 100–240 V, 50/60 Hz; Output DC 12 V	Input AC 100–240 V, 50/60 Hz; Output DC 12 V
PC software	—	—	yes