

S2T and S2TR Centrifuges



1.6 L Benchtop centrifuges (S series): specifications and ordering information

Specifications	S2T		S2TR	
	IVD	General use only	IVD	General use only
Swinging buckets rotors				
Maximum capacity	4 x 400 mL with TX-400 rotor			
Maximum speed	5,500 rpm with TX-200 rotor			
Maximum RCF	5,580 x g with TX-200 rotor			
Fixed angle rotors				
Maximum capacity	6x100 mL with F15 6x100y			
Maximum speed	15,200 rpm with F21-48 x 2, Microliter 48 x 2 or Microliter 30 x 2			
Maximum RCF	25,830 x g with Microliter 30 x 2			
Centrifuge details				
Control system	Microprocessor			
Drive system	Direct, brushless induction low profile motor			
Accel/decel profiles	Choices of 9 accel / 10 decel rates			
Material	Front, top, sides: PC-ABS plastic painted with 2K PUR-based lacquer; metal housing: cold rolled steel with powder paint; centrifuge bowl: stainless steel; centrifuge feet: rubber			
Safety features	SMARTSpin imbalance detection, finger-pinch prevention, crash-proof construction			
Warranty	5 years limited (2 years standard warranty + 3 additional years on motor and refrigeration)			
Includes	Printed English user manual, USB stick with 28 languages of user manual, corrosion resistance oil (70009824), power cord, declaration of conformity			
Temperature range	N/A		-20°C to +40°C	
Number of compatible rotors	15		15	
Display details				
Display	Push button and high contrast LCD interface			
Run time	Max 9h, 59min; also with continuous and pulse modes			
Speed	Increments of 50 rpm / 50 x g			
Timer	Count down only in increments of 1 second (from 9 min 59 seconds) and in increments of 1 minute (>10 min)			
Temperature	N/A		Sample temperature in increments of 1 degree	
Program storage	Up to 6 run programs			
Programmability	Via 6 direct access buttons			
Dimensions, weight				
Dimensions H x W x D lid closed (cm)	36.2 x 44.5 x 66		36.1 x 62.5 x 66	
Height lid open (cm)	85.5		85.5	
Dimensions H x W x D lid closed (inches)	14.3 x 17.5 x 26		14.2 x 24.6 x 26	
Height lid open (inches)	33.6		33.6	
Net weight (lbs)	134		202	
Net weight (kgs)	61		94 (96 for 100 V)	
Gross weight	75 kg (165 lbs)		108 kg (233 lbs)	
Certifications and standards				
IVD/MD	√		√	
Certifications	All models: IEC/UL/EN 61010-1, IEC/UL/EN 61010-2-020, IEC/UL/EN 61326-1, FCC part 15 Additional certification for refrigerated models: IEC/UL/EN 61010-2-011 Additional certifications for IVD-MD models: IEC/UL/EN 61010-2-101, IEC/UL/EN 61326-2-6			
Standards/directives	ISO 14971, ISO 13485, ISO 9001 Additional directives for IVD-MD models: FDA listed, Device Class 1, EU IVDR class A			
Ordering information	S2T		S2TR	
	IVD	General use only	IVD	General use only
230V	75001040*	75001041	75001045*	75009880
120V	75001040*	N/A	75001044*	N/A

*Indicates a centrifuge, rotor and/or adapter product approved for use in clinical applications; see user manual for details.