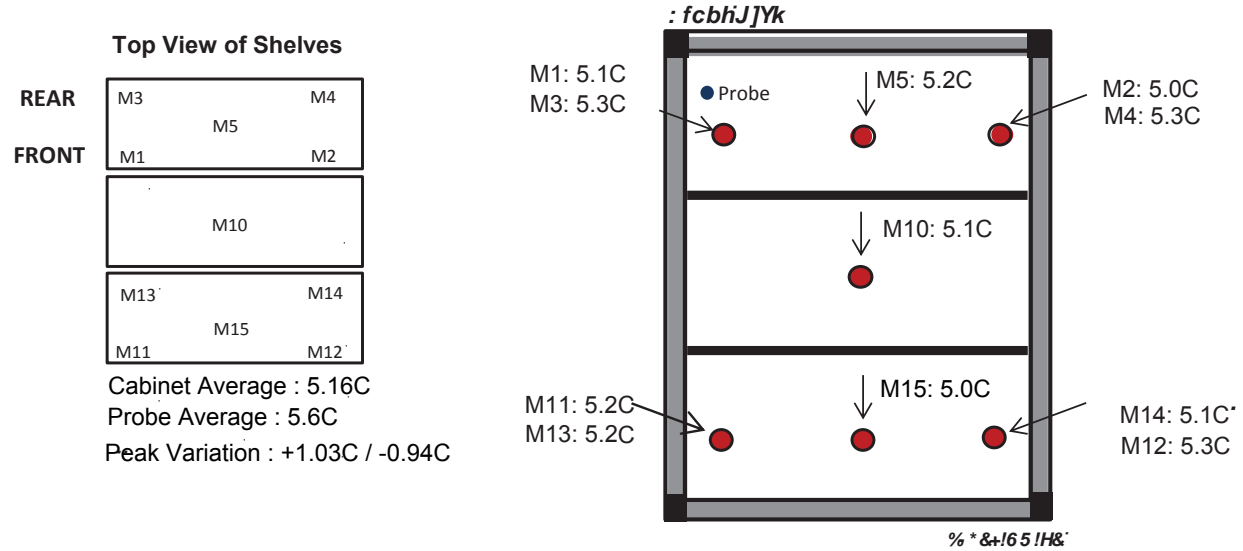


Specifications	Catalog Number		
	TSX505SV		
	Production Model Number		
	TSX505SV		
	Application, Rating And Electrical Data		
Application	5.5cf High Performance Laboratory Refrigerator		
Storage Volume	5.5cf(156L)		
Set Point Range/Adjustable in Increments of	+3°C to 7°C / 0.1°C		
Electrical Power	230V/50Hz		
Instrument Rated Current	5 Amps		
Building Supply Rating	Breaker 15 Amps/230v± 10%Volt While Operating		
Power Plug/Power Cord Length	EU SCHUKO,1.828 Meters (6 Feet)		
Agency Listings	CE, RoHS, Reach		
Indoor/Outdoor Usage	Indoor Use Only		
Application Environment	Non-Corrosive, Non-Flammable, Non-Explosive, Good Air Ventilation		
Ambient Operating Temperature	15° C - 32° C (60° F - 90° F)		
	Refrigeration Configuration		
Refrigeration System	Thermoelectric Based Refrigeration System		
Cooling System	2 X 125W Thermoelectric Heat Pump Devices		
Cold Side	Hybrid cold wall / forced air with CO2 as refrigerant		
Hot Side	Forced Air Heat-pipe Fin Tube With Water As Refrigerant		
Defrost Method	Automatic		
	Controller/Electrical System Configuration And Features		
Controller Level	Waist Level		
Controller Type	Programmable and Integrated Full Colour LCD Touchscreen Controller, 4.3", 480 X272		
Control Sensor	(2) Open Air Thermistors		
Remote Alarm Terminal/Temp Alarms	Remote alarm contacts / Hi and Low audible and visual alarms		
Power Failure Alarm	Yes		
Data Logger	Yes, Built-In Data Logger. Data Accessible Through USB Device		
	Dimensions And Construction		
Interior Dimensions (H x W x D)	23" X 19.5" X 20.5" (58.4 X 49.5 X 52.07 cm)		
Exterior Dimensions (H x W x D)	31.80" X 23.60" X 27.02" (80.8 X 59.9 X 68.6 cm)		
Cabinet interior material	Aluminum		
Cabinet exterior material	Cold Rolled Steel, Powder coated		
Insulation	Vacuum Insulated Panels, Polyurethane Foam		
Door Perimeter heater	No		
Shelves	3 Adjustable Wire Shelves		
Shelf load capacity	66 lbs (30 kg) / shelf		
Levelling Legs	4 Leveling legs with 1" Height adjustment		
Net weight / Ship Weight	119 / 155 lbs (54 / 70.3 KG)		
Access Port	Yes, Rear wall, Accommodates 25mm Probe		
	Typical Performance Characteristics @ 20C ambient		
			Test Unit Series Number or MSO Number 19627-BA-T2
			Cabinet Load Unloaded Average Cabinet Temp at 5C cycle (C): 5.16 Peak Variation from Set point (C): +1.03 / -0.94 Uniformity (C): 0.42 Stability (C): 1.58 1-min Door Opening Recovery to 5C (min): 8 Energy Consumption (kw-hr/day): 1.7 Heat Rejection Rate (btu/hr): 260.2 Pull Down Time (to 5C) (min): 55 Warm Up Time (5C to 15C) (min): 234
1) Performance is nominal and individual units may vary. 2) Refrigerator performance will differ due to product amount, product size and operating conditions. 3) Continuous product enhancements may, without notice, result in amendments or omissions to this specification. Thermo Scientific cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.			



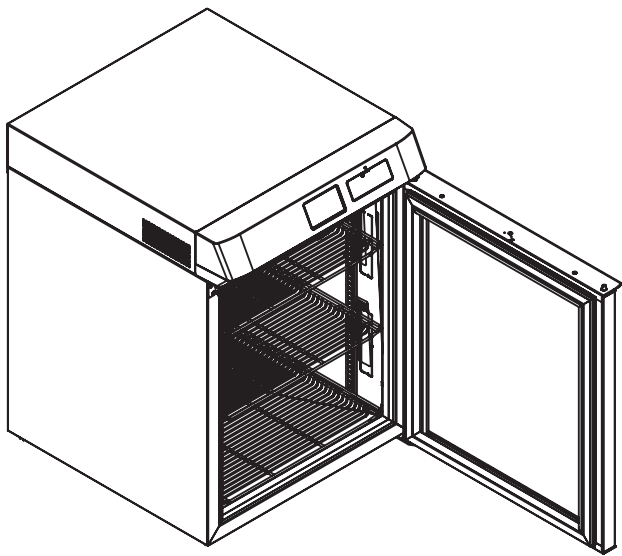
Typical Cabinet Temperature Map
5.5cuft V-volt Refrigerator, 3 Inner-Shelves , Single Outer Door

Temperatures are averages during > 20 cycles after reaching a setpoint of 5C

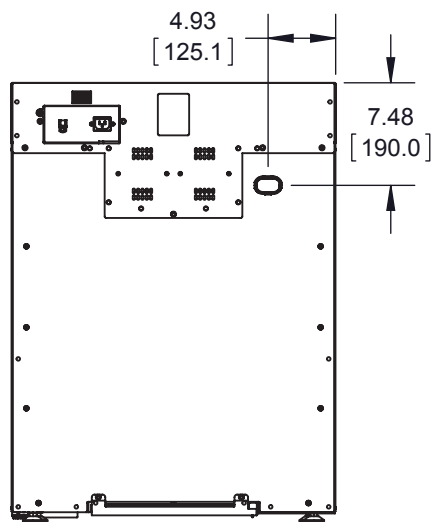


	M1	M2	M3	M4	M5	M10		
Avg	5.1	5.0	5.3	5.3	5.2	5.1		
Max	6.0	6.0	5.9	5.9	5.9	5.9		
Min	4.3	4.1	4.7	4.7	4.4	4.2		

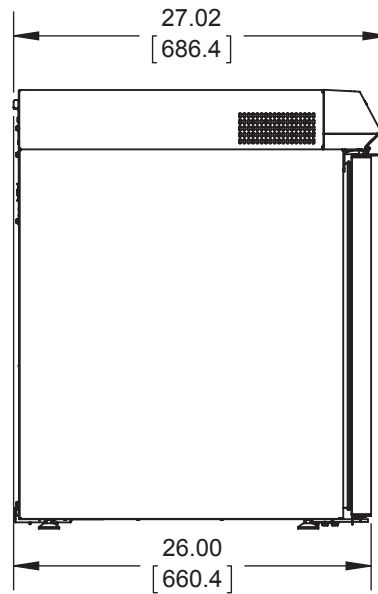
	M11	M12	M13	M14	M15			
Avg	5.2	5.3	5.2	5.1	5.0			
Max	6.0	6.0	5.9	5.9	5.9			
Min	4.3	4.7	4.5	4.4	4.2			



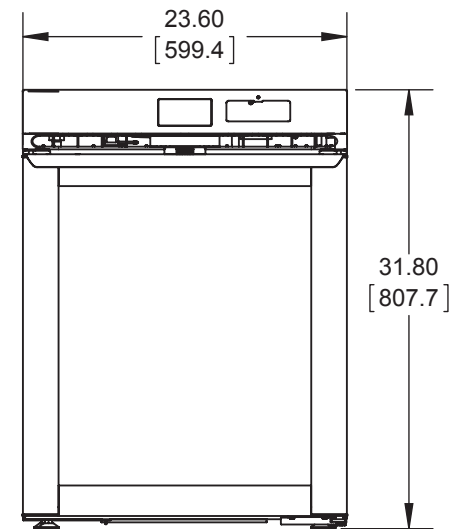
ISOMETRIC VIEW WITH DOOR OPEN



BACK VIEW



SIDE VIEW



FRONT VIEW

NOTE: DUAL DIMENSION IS INCH OVER METRIC
DO NOT USE FOR ENGINEERING PURPOSES.
SUBJECT TO CHANGE WITHOUT NOTICE

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HIGH PERFORMANCE REFRIGERATOR