

Technical Data Sheet General Purpose Refrigerator 700L

Revision-A

Application Application Storage of General (non-flammable) Laboratory Materials Storage Volume Factory Set Point Factory Set Point Set Point / Increment Electrical Power / Rated Current Building Supply Rating Power Plug/Power Cord Length Agency Listings Standards and directives Electromagnetic Compatibility Indoor/Outdoor Usage Application Environment Ambient Operating Temperature Refrigeration System Compressor / Number / Capacity Condenser Type/Number Evaporator Type / Defrost Method Refrigerant Charge / Flammability Refrigerant Charge / Flammability Refrigerant Charge / Flammability Controller Level Power Switch Controller Type Controller Type Setpoint Security / Programmable Refrigeration Controller Main Screen Controller Type Controller Hand Controller Hand Refrigeration Could Alarms Power Failure Alarm Acoustic and Visual Refriger Alarm Refriger Alarm Refriger Sor Scrip Color Power Refrigeration Countroller Main Screen Controller Alarm Refrigeration Countroller Main Screen Controller Type Electronic Controller Main Screen Controller Type Electronic Controller Main Screen Controller Sor Scrip Color Marma Refrigeration Countroller Main Screen Controller Sor Scrip Color Marma Refrigeration Countroller Main Screen Controller Type Electronic Controller Main Screen Controller Main Screen Controller Main Screen Controller Main Screen Not Provided Dimensions And Construction Interior Dimensions (H x D x W) Exterior Dimensions (H x D x W) Exterior Dimensions (H x D x W) Exterior Dimensions (H x D x W) Set Point 5°C & 20°C Ambient Refrigeration Fractoristics Set Point 5°C & 20°C Ambient Set Point 5°C & 20°C Ambient Set Point 5°C & 20°C Ambient Text Unit Sease Number or MSO Number	ecifications	Model Number					
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Test Unit Series Number of MSO Number		Typical Performance Characteristics					
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18 Average Cabinet Temp at 5C Cycle (C):	18 17	Average Cabinet Temp at 5C Cycle (C): 4.					
Average Cabinet Temp at 5C Cycle (C): Peak Variation from Setpoint (C): Uniformity (C): Stability (C): 1-min Door Opening Recovery (min): Cycle on Time(%): Cycle on Time(%):	16	Helfornity (O)					
Stability (C):	14 13						
17 Average California (C): 18 Peak Variation from Setpoint (C): 19 Uniformity (C): 11 Stability (C): 11 India of the control o	11 11 11 11 11 11 11 11 11 11 11 11 11	1-min Door Opening Recovery (min): 7 Cycle on Time(%): 14					
g Cycle (on/oir) Time (min).	9						
Energy Consumption (kw-hr/day): Heat Rejection Rate (btu/hr):	7	Heat Rejection Rate (btu/hr): 165					
Pull Down Time to setpoint:(Min)	5	Pull Down Time to setpoint: (Min)					
1 21 41 61 81 101 121 141 161 181 201 221 241 Time (min) Time (min) At 5C Cycle Warm Up I I I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 21 41 61 81 101 121 141 161 181 201 221 241						

¹⁾Performance is nominal and individual units may vary.

²⁾Product performance will differ due to product amount, product size and operating conditions.

³⁾Continuous product enhancements may, without notice, result in amendments or ommisions to this specification. Thermo Scientific cannot accept responsibility for damage, injury, loss or expenses resulting from misapplication of the information herein.

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Typical Cabinet Temperature Map Refrigerator 22cuft , 3 Inner-Shelves + Base, Single Outer Door

M4

M2

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

Top View of Shelves

REAR МЗ M5 M1

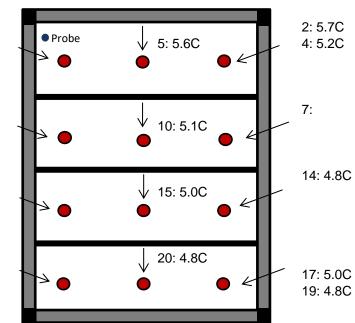
FRONT

M10 M14 M13 M15 M11 M12 M18 M19 M20 M16 M17

Cabinet Average: 5.1 C Probe Average: 6.2 C

Peak Variation: +1.8 C / -3.9 C

Front View



20297-A-9-5

		M1	M2	M3	M4	M5	M10	M11	M12
	Avg	5.7	5.7	5.5	5.2	5.6	5.1	5.1	9.3
Г	Max	6.7	6.8	6.8	6.6	6.7	6.3	6.2	20.2
Г	Min	3.9	3.6	2.1	1.1	3.1	3	3.2	1.1

1: 5.7C

3: 5.5C

11: 5.1C

16: 5.2C

18: 4.8C

8:

		M13	M14	M15	M16	M17	M18	M19	M20
	Avg	9.2	4.8	5	5.2	5	4.8	4.8	4.8
	Max	20.2	6.2	6.1	6.2	6.2	6	6	6
	Min	0.4	1.8	2.9	3.3	2.3	2.1	2.5	2.8

ONLY CABINET SHOWN FOR CLARITY IN TOP VIEW, TO ILLUSTRATE INTERIOR DIMENSIONS

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