

Компактная настольная термокамера ТСЗ-МЕ

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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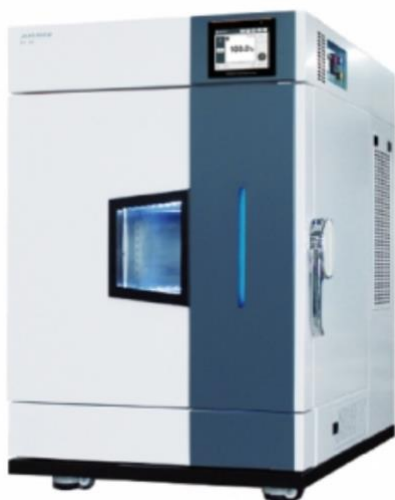
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Heating & Cooling Chamber Tabletop type (TC3-ME)

Compact temperature test chamber by continuing technological innovation

Model Name : TC3-ME



Optimized Model Configuration

- 2 series (KE, ME) according to temperature control range.
TC3-KE ; -35 ~ 150°C
TC3-ME ; -20 ~ 150°C
- Standard type Temp. & Humid chamber for selecting the optimized model according to test conditions.
- Dedicated stand for convenient use and moving.(option)
- Recorder for maintaining test records. (option)

Structural functional features

- Proven reproducibility and reliability with structural design optimized for miniaturization.
- Compact design for excellent space saving.
- Excellent thermal insulation and sealing to ensure stable temperature and humidity reproducibility even for repeated test use.
- The door part has a double sealing structure and excellent airtightness.

Use Convenience Features

- Convenient operation with 5.6 inch color touch display controller.
- Easy observation of samples with tempered glass door with built in heating wire and LED lamp.
- By displaying the operation status of the device with LED colors, convenient to identify chambers status from a far.
- The cable port(ø 50 mm) included as standard make it convenient to connect external equipment.
- The door structure can be easily opened or closed.
- Door handle with built-in key lock.
- Identification of the control and operating conditions at the front of the product.

- Design by stainless steel internal chamber made of stainless steel provide clean maintenance and excellent corrosion resistance.
- Easy to clean as it is easy to remove refrigerator condenser grill, making it convenient to maintain efficiency of refrigeration.
- Equipped with easy-to-move/install caster.

Multifunction Control System

- Highly-reliable control through calibration.
- Auto-tuning by subdivided PID zone for more precise control stability.
- RS-232 port (default) and RS-485 port (option) supported.
- Control and data v processing by connecting up to 32 devices to PC at same time via RS-485 port.
- Convenient checking with useful graph display.

Description	No.
Pattern	100
Repeat time	999
Part repeat time 255	255
Max. segments / pattern	100
Available max. segments	2000
Programmable process time / segment	99 hour 59 min.

* It is possible to set 100 segments per pattern, but the maximum number of segments is not 10,000 (100 pattern x 100 segment) but 2,000.

Outstanding Safety

- Electronic over temperature protection system.(A-OT, advanced over temperature limiter)
Independent precision temperature sensor and controller for safer and more accurate over temperature shutdown.
- Conventional over-temperature protection.(B-OT, backup over temperature limiter)
A backup device for electronic system failure, mechanically preventing over temperature even when it occurs electronic errors.
- Door open warning and automatic shut off.
- Over-current and short circuit protection of device.
- Each heater has fuse for more being safe use.

- Automatic stop when operating current of refrigerator is overloaded.
- Automatic stop in case of over temperature of the compressor.
- Auto shut off in case refrigerant pressure (high/low pressure) is abnormal.

• Model	TC3-ME-025	TC3-ME-065	TC3-ME-100
Temperature data			
Range (°C / °F)	-20 to 150 / -4 to 302	-20 to 150 / -4 to 302	-20 to 150 / -4 to 302
Fluctuation (±°C / °F) ¹⁾	0.3 / 0.54	0.3 / 0.54	0.3 / 0.54
Variation (±°C / °F) ²⁾	0.5 / 0.9	0.5 / 0.9	0.5 / 0.9
Heating time ³⁾	50	50	50
Cooling time ⁴⁾	55	55	55
Interior dimensions			
Chamber volume (L / cu ft)	25 / 0.88	65 / 2.3	100 / 3.53
Width (mm / inch)	350 / 13.8	400 / 15.7	500 / 19.7
Depth (mm / inch)	220 / 8.7	330 / 13	380 / 15
Height (mm / inch)	350 / 13.8	495 / 19.5	530 / 20.9
Quantity of shelves (standard/max.)	2/7	2/10	2/10
Distance of between shelves (mm / inch)	20 / 0.8	20 / 0.8	20 / 0.8
Max. load per shelf (kg /lbs)	25 / 55.1	25 / 55.1	25 / 55.1

Permitted total load (kg / lbs)		65 / 143.3	65 / 143.3	65 / 143.3
Cable port (Ø, mm / inch)		50 / 2	50 / 2	50 / 2
Weight (kg / lbs)		80 / 176.4	110 / 242.5	130 / 286.6
Electrical requirements (AC230V, 1ph, 50/60Hz)	Cat. No.	5.5A	6.5A	8.6A
		AAH86013 2K	AAH86023 2K	AAH86033 2K

※ The above specifications are tested according to DIN 12880 and IEC 60068 standards.

※ Permissible environmental conditions are 18 - 30°C (recommended 20°C), 85% RH or less, under 2000m above sea level.

1) The set value is set under the conditions of 100°C.

2) The set value is set under the conditions of 25°C.

3) TC3-KE : -40°C to 100°C(-40°F to 212°F), TC3-ME : -20°C to 100°C(-4°F to 212°F)

4) TC3-KE : 20°C to -40°C(68°F to -40°F), TC3-ME : 20°C to -20°C(68°F to -4°F)



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