

## Temperature cycling chamber series

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Temperature cycling oven series equipments are used in Screening tests and failure mode assessment of opto electronic devices, interconnect circuits, components and electronic equipment. It is an effective method to found product design defects and process problems .Temperature change rate is generally less than 20 °C / min, the product can be used to investigate product failures caused by thermal-mechanical properties to truly reproduce the application environments of the measured sample. When large parts of the material constituting the product of each thermal matching is poor, or internal component stress, the temperature cycle test can cause product failure resulting from mechanical deterioration of structural defects.

The following are subdirectories for this series of products:

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**Programmable low temperature test chamber (WGD series)**



Execution and meet the standard:

Uses: This kind of temperature test chamber Widely used in cold test and cryogenic storage of electrical products, materials, components and equipment in aerospace, aviation, information, electronics, instrumentation and other industries.

Features:

- Dual-stage compressor, super-cooling capacity

Highest temperature change ability like surface temperature change rate 20 °C / min, up to a predetermined maximum rate of temperature change test capability.

- Temperature evenly distributed, perfectly linear control

The use of air volume & wind speed automatic adjustment, high-speed processing temperature controllers and electronic expansion valves and other advanced technologies, curb the temperature difference of the sample, to achieve a linear control accuracy.

· Sample surface temperature and air temperature modes

Use the sample surface temperature sensor enables temperature control sample test conditions to meet the test requirements JESD-A104-D-like surface temperature change rate of 15 °C / min. Effective internal volume 200ℓ, covers an area of only 2 m<sup>2</sup>.

Technical parameters:

Model

Temperature Range

Internal volume

Internal dimensions (W × H × Dmm)

WGD702

-70 ~ + 180 °C

200L

800 × 500 × 500

**Rapid temperature change test chamber**  
**temperature cycling chamber**



Execution and meet the standards: IEC60068-3-5, IEC60068-3-6

Purpose: To achieve rapid temperature change, find product design defects and process issues

Features:

- Complete, rich product line

There are 580L and 800L, two product ranges to choose from. Rapid temperature range 5 °C / min, 10 °C / min, 15 °C / min and 20 °C / grading available for selection. Deliver same performance in the smallest footprint of similar models. Meet the internationally accepted test standards.

- Nice appearance, refined smart controller

Stainless steel liner and outside bile, easy maintenance and long life. Zhuo Xi originally developed controller, easy to use, easy to disassemble and easy to transport.

Rich and practical accessories and optional parts

Aluminium condensate switch, scroll compressor, solid state electrostatic sensor, low humidity range ensures reliability features like low noise and others.

Technical parameters:

Model

Temperature Range

Humidity range

Internal volume

Temperature change rate

Other parameters

ZXDK1058AL

-40 ~ + 180 °C

10 ~ 95% RH

580L

Type 3

10 °C / min

ZXDK1558AL

-40 ~ + 180 °C

10 ~ 95% RH

580L

Type 3

15 °C / min

ZXDK0580AL

-40 ~ + 180 °C

10 ~ 95% RH

800L

Type 4

5 °C / min

ZXDK1080AL

-40 ~ + 180 °C

10 ~ 95% RH

800L

Type 4

10 °C / min

ZZXDK1080AL

-40 ~ + 180 °C

10 ~ 95% RH

800L

Type 4

15 °C / min

ZXDK2080AL

-40 ~ + 180 °C

10 ~ 95% RH

800L

Type 4

20 °C / min

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