

SALE PRODUCTS

ESPEC is the world's leading manufacturer of "environmental test chambers" that support the advancement of cutting-edge technologies. Through our sales network that extends to 45 countries worldwide, we provide high-quality products and services to customers around the world. In addition, we provide total solutions for environmental testing through various products and services, all from the customer's perspective.

ESPEC ENGINEERING (THAILAND) CO., LTD. established in 2015 at Amata City Chonburi Industrial Estate in Thailand. We have Japanese staff and skilled Thai engineers in order to support along with cooperate with local agencies in ASEAN, India and Oceania in order to enhance the support capability against the customers located inside the a above countries.



Walk-In Type Temperature (& Humidity) Chamber / E Series



Bench-Top Type Temperature (& Humidity) Chamber

WHAT DO WE SERVE



In Thailand, we sell products from Japan, U.S.A. and china

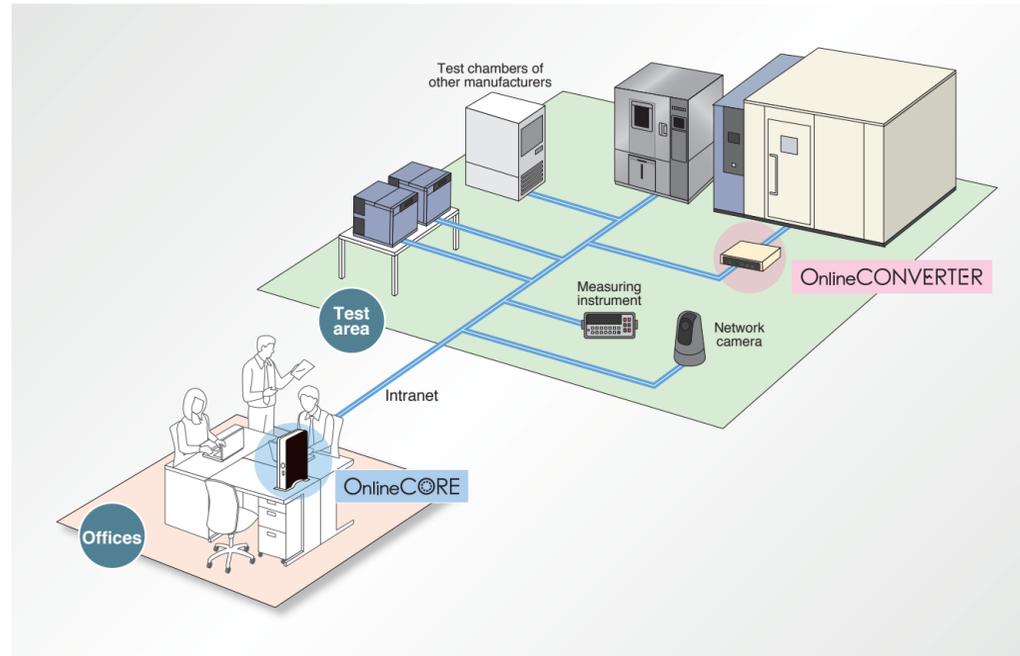
- ESPEC CORP. (JAPAN)
- ESPEC NORTH AMERICA
- ESPEC Guangdong

SERVICE AND MAINTENANCE

To advance our technical support to cover repairs, maintenance and inspections, calibration, on-site assembly and modification of products.



NETWORK PRODUCTS



Quality is more than a word
ESPEC



CONTACT US

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 Thailand



Map



Website

ESPEC ENGINEERING (THAILAND) CO., LTD.

Test Laboratory & Product Sales Service



ESPEC ESTABLISHED THE ASEAN TECHNICAL SUPPORT CENTER TO PROVIDE ALL CUSTOMER WITH TECHNICAL SUPPORT

EET Test Laboratory | ESPEC is planning to start the provision of laboratory testing services where it performs the tests on behalf of the customers. We aim to enrich our one-stop service.

THERMAL SHOCK



Model	TSA-203ES-W	TSA-103ES-W	TSA-71H
Interior Dimensions	W 650 x H 460 x D 670 mm	W 650 x H 370 x D 460 mm	W 650 x H 460 x D 670 mm
Temperature Range	-70°C to +200°C	-70°C to +200°C	-70°C to +200°C
Total Load Resistance	50 Kg (Equally distributed load)	50 Kg (Equally distributed load)	30 Kg (Equally distributed load)
Test Performed Example	Range : -40°C ⇔ +125°C (D140°C)	Range : -65°C ⇔ +150°C (D140°C)	Range : -40°C ⇔ +100°C (D140°C)
Recovery Time	within 5 min	within 5 min	within 1.5 min
Temp. Fluctuation	±2 (at control sensor)	±2 (at control sensor)	±2 (at control sensor)

*** STANDARD TEST**
 • MIL-STD-883H (Method No. 1010.8)
 • IEC 60068-2-14Na (JIS C60068-2-14Na)
 • JASO D 014-4
 • EIAJ ED-2531B Na
 • MIL-STD-202G (Method No. 107G)

Model	TSB-51
Interior Dimensions	W 290 x H 350 x D 520 mm
Basket Dimensions	W 150 x H 150 x D 200 mm
Basket Load Capacity	2.0 Kg
Temperature Range	Hot bath : +70°C to +200°C Cold bath : 0°C to -60°C
Specimen Transfer Time	Within 10 sec (Transfer hot and cold baths)
Temp. Fluctuation	±2°C

*** STANDARD TEST**
 • MIL-STD-883E (Method No. 1011.9)
 • JIS C 0025
 • MIL-STD-202G (Method No. 107G)

TEMPERATURE AND HUMIDITY CYCLE



Model	EBL-3HW2P3A-20
Interior Dimensions	W 3020 x H 2100 x D 1970 mm
Total Load Resistance	600 kgf / m²
Temperature Range	-30°C to +80°C
Temp. & Humidity Range	+10°C to +80°C / 10% RH to 95% RH
Speed Ramp Rate	Pull down Heat up 0.4°C / min 1.1°C / min
Temp. & Humidity Fluctuation	±0.5°C, +4% RH

*** STANDARD TEST**
 • IEC 60068-3-6:2001



Model	PL-2KPH
Interior Dimensions	W 500 x H 750 x D 600 mm
Temperature Range	-40°C to +150°C
Temp. & Humidity Range	+10°C to +80°C / 20% RH to 98% RH
Speed Ramp Rate	Pull down Heat up 3.5°C / min 3.5°C / min
Temp. & Humidity Fluctuation	±0.5°C, +3% RH

HIGHLY ACCELERATED STRESS TEST (HAST)



Model	EHS-211M
Interior Dimensions	Ø 294 x D 318 mm
Unsaturated	Temp. : +105°C to +142.9°C Humidity : 75% RH to 100% RH
Pressure Range	0.020 to 0.196 Mpa (Gauge)
Heat Up and Pressurization Time	0 to 0.196 MPa (Gauge) Approx : 30 min
Wet-saturated	Temp : +105°C to +132.9°C
Pressure Range	0.020 to 0.196 Mpa(Gauge)
Heat Up and Pressurization Time	0 to 0.196 MPa (Gauge) Approx : 45 min
Temp. & Humidity Fluctuation	±0.3°C / ±2.5% RH

*** STANDARD TEST**
 • IEC 60068-2-66 (JIS C 60068-2-66) : Damp Heat, Steady state
 • JESD22-A118B
 • JESD22-A110E
 • JESD22-A102E
 • IEC 60749-4 : heat
 • AEC-Q100-Rev-H
 • JEITA(EIAJ)
 • JPCA-ET08

RAPID-RATE TEMPERATURE CYCLE



Model	EGNX28-12NWL	ARSF-0800-15
Interior Dimensions	W 1000 x H 1000 x D 800 mm	W 1000 x H 980 x D 800 mm
Total Load Resistance	50 Kg	100 Kg
Temperature Range	-70°C to +180°C	-70°C to +180°C
Temp. & Humidity Range	+10°C to +85°C / 10% RH to 95% RH	+10°C to +95°C / 10% RH to 98% RH
Speed Ramp Rate	Pull down Heat up 12°C / min 15°C / min	Pull down Heat up +15°C / min +15°C / min
Temp. Fluctuation	±2 (at control sensor)	±0.3

*** STANDARD TEST**
 • IEC 60068-2-1 : Cold
 • IEC 60068-2-2 : Dry heat
 • IEC 60068-2-14Nb : Change of temperature with specified rate of change
 • IEC 60068-2-30 : Damp Heat, cycle
 • IEC 60068-2-38 : Composit temperature / humidity cycle test
 • IEC 60068-2-78 : Damp Heat, steady state
 • ISO 16750-4 (5.3) : Road vehicles (Temperature cycling)



Model	GPL-3
Interior Dimensions	W 600 x H 830 x D 800 mm
Total Load Resistance	50 Kg
Temperature Range	-40°C to +180°C
Temp. & Humidity Range	+10°C to +95°C / 10% RH to 98% RH
Speed Ramp Rate	Pull down Heat up 3.5°C / min 3.3°C / min
Temp. & Humidity Fluctuation	±0.3°C, +2.5% RH

*** STANDARD TEST**
 • IEC 60068-2-1 : Cold
 • IEC 60068-2-2 : Dry heat
 • IEC 60068-2-38 : Composit temperature / humidity cycle test
 • IEC 60068-2-14Nb : Change of temperature with specified rate of change
 • IEC 60068-2-78 : Damp Heat, steady state



Model	ARS-1100
Interior Dimensions	W 1100 x H 100 x D 1000 mm
Total Load Resistance	150 Kg
Temperature Range	-75°C to +180°C
Temp. & Humidity Range	+10°C to +95°C / 10% RH to 98% RH
Speed Ramp Rate	Pull down Heat up 4.1K / min 4.7K / min
Temp. & Humidity Fluctuation	±0.3K, +2.5% RH

*** STANDARD TEST**
 • IEC 60068-2-30 : Damp Heat, cycle
 • ISO 16750-4 (5.3) : Road vehicles (Temperature cycling)

VACUUM (ALTITUDE)



Model	VAC-201P
Interior Dimensions	W 600 x H 600 x D 600 mm
Temperature Range	+40°C to +200°C
Pressure Range	933 x 10 ³ Pa to 1 x 10 ² Pa
Speed Ramp Rate	atmospheric to 133 PA Within 15 min Inlet open to atmosphere Within 8 min
Temperature constancy	±0.5°C (Vacuum), +1°C (Atmospheric)

*** STANDARD TEST**
 • IEC 60204, EN 61000-6-2, 55011

CONSTANT CLIMATE CABINET



Model	LU-124 Constant
Interior Dimensions	W 500 x H 750 x D 590 mm
Temperature Range	-20°C to +85°C
Temp. & Humidity Range	40% RH to 95% RH
Temp. & Humidity Fluctuation	±1°C, +5% RH
Total Load Resistance	30 Kg

*** STANDARD TEST**
 • IEC 60068-3-5, IEC 60068-3-6

Test Service Flow Chart

Inquiry

Just send us your questions or concerns by starting and we will give you the help you need, you can visit us during our business hours (Mon. to Fri. 8:30 am - 5:40 pm).

01

Testing information approved

We will submit testing condition and set up for customer confirm.

02

Quotation Agreement and Order

Please check the quotation for all your work and issue P/O to us.

03

Testing

Customer checks and approves. After that, we will start testing.

04

Finish Testing and Submit Report

We will submit Final Test Report, Graph Summarizes Test Results, CD-R.

05



Accredited Laboratory
 A2LA has accredited
ESPEC ENGINEERING (THAILAND) CO.,LTD.
 Chonburi, Thailand

Tests:
 Temperature Simulation (-75 to 200) °C
 Thermal Shock (-60 to 150) °C
 Cold Test Up to -75 °C
 Dry Heat Up to 200 °C
 Temperature and humidity (-75 to 200) °C (10 to 98) %RH
 Temperature and humidity cycle (-75 to 200) °C (10 to 98) %RH
 *Also using customer specified methods directly related to the tests and parameters listed above

Test Methods:
 MIL-STD-883, IEC 60068-2-14, ISO 16750-4
 ISO 16750-4, IEC 61215, IEC 60068-2-14
 IEC 60068-2-1
 IEC 60068-2-2
 MIL-STD-810, ISO 9455-17, IEC 60068-2-78
 IEC 60068-2-30, IEC 60068-2-38, ISO 12405-1