



CATALOGUE

**PRODUCT
AND
SERVICES**



RS-SIMULATION ASIA SDN BHD

TABLE OF CONTENTS

<u>Title:</u>	<u>Page</u>
Company Profile.....	2
Zundar Series	
Temperature & Climatic Test Chambers.....	3
Temperature & Climatic Walk-In Test Chambers.....	4
Thermal Shock Chamber.....	5
Solar Simulation Chamber.....	7
Battery Test Chamber.....	9
Other Types Of Test Chambers.....	11
Services.....	12
Contact Us.....	14



Company Profile

RS-Simulation Asia Sdn. Bhd. is a member of RS-Simulatoren GmbH, incorporated in Malaysia since 2003. We supply various types of environmental test chambers with German Technology for reliability testing based on customer requirements under accelerated conditions such as temperature, climate, vibration, solar, dust or thermal shock testing for the industrial sector both locally in Malaysia or international countries.

RS-Simulation Asia Sdn. Bhd. also provide service and support throughout Malaysia as well as the Asia region.

Our services and supports provided are maintenance, testing, calibration, repair, sales and upgrading service for both our test chambers and chambers manufactured by other companies.

Our management team consist of sales and marketing, engineering as well administration and accounting which is big asset comprises of qualification, knowledge and skills to move together in order for a company to reach the goal.

In year 2019, **RS-Simulation Asia Sdn. Bhd.** has accredited calibration laboratory with **MS ISO/IEC 17025:2017 (SAMM 975)** and on-site calibration of climatic test chambers based on method of **DKD-R-5-7**.

Our **3S (sales, service and spare parts)** facility centre is based in Puchong, Selangor, Malaysia to provide maximum support and achieve greater customer satisfaction.



Zundar Series

Temperature & Climatic Test Chambers



Standard Technical Data:

- Temperature Range: -70 °C to +180 °C.
- Humidity Range: 10 % to 98 % relative humidity.
- Heating Rate / Cooling Rate: 2.0 °C/min to 15.0 °C/min.

Dimension:

- Standard volume available: 250L, 340L, 600L and 1000L.
- Other volumes are available upon customer request.



RS-Simulation Asia Sdn. Bhd.

The Pioneer In Environmental Test And Measurement Technology

Zundar Series

Temperature & Climatic Walk-In Test Chambers



Standard Technical Data:

- Temperature Range: -70 °C to +180 °C.
- Humidity Range: 10 % to 98 % relative humidity.
- Heating Rate / Cooling Rate: 2.5 °C/min to 3.6 °C/min.

Dimension:

- Standard volume available: 2.0 m³, 4.0 m³, 6.0 m³, 8.0 m³, 12.0 m³
- Other volumes are available upon customer request.



RS-Simulation Asia Sdn. Bhd.

The Pioneer In Environmental Test And Measurement Technology

Zundar Series

Thermal Shock Chamber



Zundar Series

Standard Technical Data:

- Temperature Range:
 - Cold Zone: -70 °C to -10 °C
 - Hot Zone: +20 °C to +180 °C
- Temperature Deviation: $\leq \pm 2.0$ °C
- Form Type: Two Zone
- Basket Drive Mode: Pneumatic or electrical motor drive
- Basket Movement Direction: Vertical or horizontal
- Maximum Basket Load: 16 kg, 20 kg, 30 kg, 35 kg, 100 kg, 150 kg.
- Basket Transfer Time: ≤ 10 s
- Basket Volume: 102L, 148L, 205L, 294L, 506L and 960L.



Zundar Series

Solar Simulation Chamber



Zundar Series

Standard Technical Data:

- Temperature Range:
 - Without Solar Simulation: -40 °C to +100 °C
 - With Solar Simulation: -20 °C to +100 °C
- Humidity Range:
 - Without Solar Simulation: +10 % to 95 % relative humidity
 - With Solar Simulation: 10 % to 80 % relative humidity
- Heating Rate / Cooling Rate: 2.5 °C/min to 4.0 °C/min

Dimensions:

- Standard volume available: 600L and 1000L.
- Other volumes are available upon customer request.



Zundar Series

Battery Test Chamber



Specially designed chamber for battery test.

Improve security and safety function included:

- Safety detection
- Passive safety protection
- Active safety protection



RS-Simulation Asia Sdn. Bhd.

The Pioneer In Environmental Test And Measurement Technology

Zundar Series

Standard Technical Data:

- Temperature Range: -40 °C to +90 °C
- Heating Rate / Cooling Rate: 5 °C/min
- Humidity Range: 10 % to 98 % relative humidity
- Hazard Level: Level 0 to Level 7

Safety System:

- Safety Detection:
 - Smoke detection
 - Gas detection
 - Battery temperature detection
 - Flame detection
- Passive Protection:
 - Enhanced mechanical structure
 - Over pressure flap
 - Burst disc
- Active Protection:
 - Pressurized air purge
 - Permanent inertgas injection
 - Fire suppression system



Zundar Series

Other Types Of Test Chambers

Standard Test Chambers

- Rain Test Chamber
- Dust Test Chamber
- Vacuum Test Chamber
- Climatic Test Chamber
- Thermal Shock Test Chamber
- Speedy Climatic Test Chamber
- Salt Corrosion Test Chamber
- High Temperature Oven
- Climatic Vibration Integrated Chamber
- Small Size Solar Simulation Chamber
- Battery Test Chamber

Non Standard Test Chambers

- Full Spectrum Solar Simulation Chamber
- Infrared Simulation Chamber
- Chassis Dynamometer Climatic Chamber
- Walk-In Test Chamber
- Drive-In Test Chamber
- Air Bag Deployment Test Chamber
- Vehicle Cold Start Test Chamber
- VOC Inspection Test Chamber
- Four Poster Climatic Test Chamber
- Wind Tunnel
- High Vacuum Test Chamber (HVT)

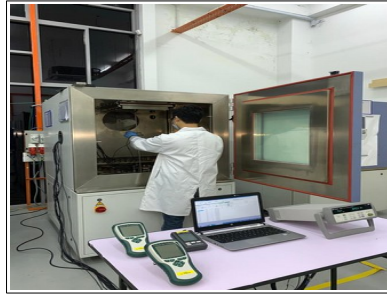


Services

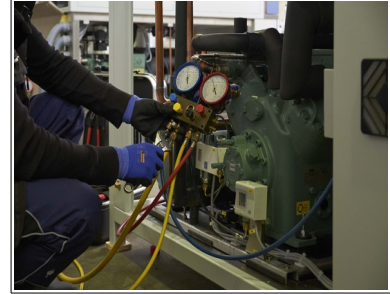
Our 3S (sales, services and spare parts) facility center is based in Puchong, Selangor, Malaysia to provide maximum supports and to achieve greater customer satisfaction.



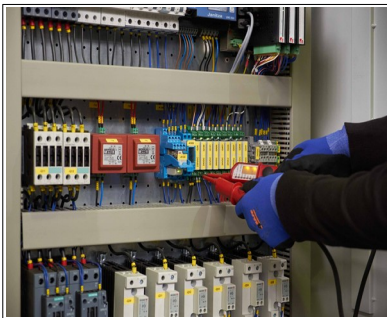
Testing Laboratory



Calibration



Maintenance & Repair



Installation



Refurbishment



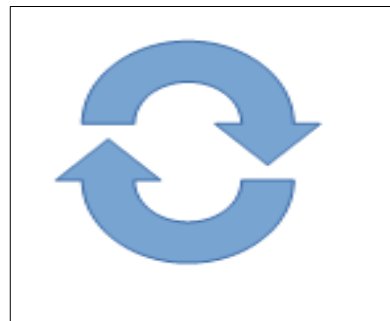
Spare Parts Availability



Rental & Leasing



Technical Support



Relocation



RS-Simulation Asia Sdn. Bhd.

The Pioneer In Environmental Test And Measurement Technology

**On request we will be pleased to send you an offer
for your specific requirements.**



RS-Simulation Asia Sdn. Bhd.

The Pioneer In Environmental Test And Measurement Technology

Contact Us



RS-Simulatoren Group

Headquater Germany

RS-Simulatoren

Prüf-und Messtechnik GmbH
Niebuhrstrasse 59
46049 Oberhausen, Germany.

Tel: +49 208 299 5220

Email: contact@rs-simulatoren.com

Website: www.rs-simulatoren.de

Member of RS-Simulatoren Group in Malaysia



RS-Simulation Asia Sdn. Bhd.

No.15, Jalan MJ 14,
Taman Industri Meranti Jaya,
47120 Puchong, Selangor,
Malaysia.

Tel: +603 8066 2155

Email: contact@rs-simulation.com

Website: www.rs-simulation.com



RS-Simulation Asia Sdn. Bhd.

The Pioneer In Environmental Test And Measurement Technology