PRODUCT CATALOGUE 2027

Environmental Test Chambers

Climate, thermal shock, salt spray, weathering, dust and rain (IP), ozone and gas corrosion chambers, high temperature ovens and walk-in chambers.



INTRODUCTION

Environmental testing for every standard



INTEON environmental test chambers reproduce heat, cold, humidity, salt spray, sunlight, dust, rain and corrosive gases, so that you can verify the reliability and service life of your products. Standard sizes and custom-made solutions are available for all nine groups.

Warranty

3 years

Best in the industry warranty: 3 years full warranty.

Support - Europe

For more complex appliances our company offers the necessary training for set-up and use. We repair all products traded by our company during and after the warranty period, and we guarantee the continuous supply of accessories.

On-site visit

If any of our products has aroused your interest, INTEON will be glad to visit your company and give a presentation of the product. Major machines can also be viewed at our partners' sites.

Offers

Most of our product prices can be requested on our website and will be sent to you by email. For special and more complex machines, prices are given individually after consultation, in a price offer. For more information or user manuals, visit our continuously updated website (www.inte-on.com). You are also welcome to visit our office, where you can purchase the devices and spare parts you need.

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SELECTION

Nine groups of chambers



Benchtop Chambers
Benchtop climate and temperature humidity chambers for the laboratory bench.

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Temperature & Humidity Chambers
Temperature and humidity, thermal cycle, thermal shock, cryogenic, vibration and PV test chambers.

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Salt Spray Chambers
Salt spray, salt fog and cyclic corrosion test chambers.

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Accelerated Weathering Testers
Xenon arc and UV accelerated weathering test chambers.

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Dust & Rain (IP) Chambers
IP test chambers for dust, sand, rain, water jet and immersion tests.

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Ozone Test Chambers
Ozone aging test chambers for rubber and elastomers.

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Noxious Gas Corrosion Chambers
SO2 and H2S gas corrosion test chambers.

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High Temperature Ovens
High temperature industrial ovens.

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Walk-in & Drive-in Chambers
Walk-in and drive-in environmental chambers.

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Custom made Every chamber can be adapted to your specimen, your test standard and your site.

BENCHTOP CHAMBERS

Benchtop Temperature Humidity Test Chamber

Small benchtop chambers for temperature or temperature and humidity tests, for laboratories, electronics, automotive and battery testing.



INTEON STANDARD

- Programmable colour touch screen
- Ethernet and USB
- 2 shelves
- CE
- 3-year warranty

OPTIONS

- Low temperature -40, -70 or -86 °C
- Temperature only (T) or with humidity (TH)
- ISO 17025 calibration

- ✓ Small and portable, with integrated water tank
- ✓ Adjustable and removable shelves
- ✓ Mechanical compression refrigeration
- ✓ Multi-language touch screen

SPECIFICATIONS

Model	T-50	T-80
Internal dimension (mm)	320 × 350 × 450	400 × 400 × 500
Overall dimension (mm)	800 × 1050 × 950	900 × 1100 × 1000
capacity	50 L	80 L
Temperature range	A: -20 °C to +150 °C	
Low type	B: -40 °C; C: -70 °C; D: -86 °C	
Temperature fluctuations	±0.5 °C	
Temperature deviation	±2.0 °C	
Heating rate	3 °C / min	
Cooling rate	1 °C / min	
Controller	Programmable color LCD touch screen controller, Ethernet, USB	
Cooling system	Mechanical compression refrigeration system	
Safety device	over-temperature protection; over-current protection; Refrigerant high-pressure protection; Earth leakage protection	
Exterior material	Steel Plate with protective coating	
Interior material	SUS304 stainless steel	
Standard configuration	1 Cable hole (Φ 50) with plug; 2 shelves	
Power Supply	220 V 50 Hz	

Model	TH-50	TH-80
Internal dimension (mm)	320 × 350 × 450	400 × 400 × 500
Overall dimension (mm)	800 × 1050 × 950	900 × 1100 × 1000
capacity	50 L	80 L
Temperature range	A: -20 °C to +150 °C	
Low type	B: -40 °C; C: -70 °C; D: -86 °C	
Humidity range	20% to 98% RH	
Temperature fluctuations	±0.5 °C	
Temperature deviation	±2.0 °C	
Heating rate	3 °C / min	
Cooling rate	1 °C / min	
Humidity deviation	±2.5% RH	
Controller	Programmable color LCD touch screen controller, Ethernet, USB	
Cooling system	Mechanical compression refrigeration system	
Safety device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection, Earth leakage protection	
Exterior material	Steel Plate with protective coating	
Interior material	SUS304 stainless steel	
Power Supply	220 V 50 Hz	

BENCHTOP CHAMBERS

Benchtop Climate Test Chamber

Temperature and humidity testing on the bench: 50 or 80 litres, from -86 to +150 °C and 20 to 98% RH, at 65 dBA or less.



INTEON STANDARD

- Programmable colour touch screen
- Ethernet and USB
- SUS304 interior
- 3-year warranty

OPTIONS

- Low temperature -40, -70 or -86 °C
- Temperature only (T) or with humidity (TH)

- ✓ Compact benchtop design, 50 L and 80 L
- ✓ Runs at 65 dBA or less
- ✓ Heating 3 °C/min, cooling 1 °C/min
- ✓ PT100 class A sensors
- ✓ Programmable multistep cycles
- ✓ Closed-loop water recycling humidity system

SPECIFICATIONS

Model	T-50	T-80
Internal Dimension (mm)	320 × 350 × 450	400 × 400 × 500
Overall Dimension (mm)	800 × 1050 × 950	900 × 1100 × 1000
Capacity	50 L	80 L
Temperature Range	A: -20 °C to +150 °C	
Low Type	B: -40 °C; C: -70 °C; D: -86 °C	
Temperature Fluctuations	±0.5 °C	
Temperature Deviation	±2.0 °C	
Heating Rate	3 °C / min	
Cooling Rate	1 °C / min	
Controller	Programmable color LCD touch screen controller, Ethernet, USB	
Cooling System	Mechanical compression refrigeration system	
Safety Device	over-temperature protection; over-current protection; Refrigerant high-pressure protection; Earth leakage protection	
Exterior Material	Steel Plate with protective coating	
Interior Material	SUS304 stainless steel	
Standard Configuration	1 Cable hole (Φ 50) with plug; 2 shelves	
Power Supply	220 V 50 Hz	

Model	TH-50	TH-80
Internal Dimension (mm)	320 × 350 × 450	400 × 400 × 500
Overall Dimension (mm)	800 × 1050 × 950	900 × 1100 × 1000
Capacity	50 L	80 L
Temperature Range	A: -20 °C to +150 °C	
Low Type	B: -40 °C; C: -70 °C; D: -86 °C	
Humidity Range	20% to 98% RH	
Temperature Fluctuations	±0.5 °C	
Temperature Deviation	±2.0 °C	
Heating Rate	3 °C / min	
Cooling Rate	1 °C / min	
Humidity Deviation	±2.5% RH	
Controller	Programmable color LCD touch screen controller, Ethernet, USB	
Cooling System	Mechanical compression refrigeration system	
Safety Device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection, Earth leakage protection	
Exterior Material	Steel Plate with protective coating	
Interior Material	SUS304 stainless steel	
Power Supply	220 V 50 Hz	

TEMPERATURE & HUMIDITY CHAMBERS

Temperature Humidity Test Chamber

Floor type chambers for heat, cold and humidity tests: temperature and humidity, cold resistance, thermal cycle, storage condition and calibration, in five sizes from 100 to 1000 litres.



INTEON STANDARD

Programmable colour touch screen | Ethernet and USB | 2 shelves | SUS304 interior | 3-year warranty

OPTIONS

Temperature range A -20, B -40 or C -70 °C

Custom sizes

- PT100 class A sensors, precise control
- 7-inch multi-language interface
- Centrifugal fans for uniform temperature and humidity
- French TECUMSEH compressor
- Automatic water recirculation
- Test hole on the left side, castors with brakes

SPECIFICATIONS

Model	TH-100	TH-225	TH-500	TH-800	TH-1000
Internal Dimension (mm)	400 × 500 × 500	500 × 600 × 750	700 × 800 × 900	800 × 1000 × 1000	1000 × 1000 × 1000
Overall Dimension (mm)	860 × 1050 × 1620	960 × 1150 × 1860	1180 × 1350 × 2010	1280 × 1550 × 2110	1500 × 1550 × 2110
Interior Volume	100 L	225 L	500 L	800 L	1000 L
Heat load	1000 W				
Temperature Range	A: -20 °C to +150 °C; B: -40 °C to +150 °C; C: -70 °C to +150 °C				
Temperature Fluctuation	±0.5 °C				
Temperature Deviation	±2.0 °C				
Humidity Range	20% to 98% RH				
Humidity Deviation	±2.5% RH				
Cooling Rate	1 °C / min				
Heating Rate	3 °C / min				
Cooling system	Mechanical compression refrigeration system				
Controller	Programmable color LCD touch screen controller; Ethernet connection, PC Link				
Water supply system	Automatic water supply, Water purification system				
Safety Device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection; Earth leakage protection				
Exterior Material	Steel Plate with protective coating				
Interior Material	SUS304 stainless steel				
Power Supply	220 V 50 Hz / 380 V 50 Hz				
Ambient conditions	5 °C to +35 °C ≤85% RH				

TEMPERATURE & HUMIDITY CHAMBERS

Temperature Humidity Climatic Chamber

Stable climate control for reliability testing: from -70 to +150 °C and 20 to 98% RH, in five sizes from 100 to 1000 litres.



INTEON STANDARD

- Programmable colour touch screen
- Ethernet
- Automatic water supply
- SUS304 interior
- 3-year warranty

OPTIONS

- Temperature range A -20, B -40 or C -70 °C

- Heating 3 °C/min, cooling 1 °C/min
- Humidity deviation ±2.5% RH
- PT100 class A sensors
- Uniform airflow in the chamber
- Water purification and automatic water supply
- Comprehensive safety protections

SPECIFICATIONS

Model	TH-100	TH-225	TH-500	TH-800	TH-1000
Internal Dimension (mm)	400 × 500 × 500	500 × 600 × 750	700 × 800 × 900	800 × 1000 × 1000	1000 × 1000 × 1000
Overall Dimension (mm)	860 × 1050 × 1620	960 × 1150 × 1860	1180 × 1350 × 2010	1280 × 1550 × 2110	1500 × 1550 × 2110
Interior Volume	100 L	225 L	500 L	800 L	1000 L
Heat load	1000 W				
Temperature Range	A: -20 °C to +150 °C; B: -40 °C to +150 °C; C: -70 °C to +150 °C				
Temperature Fluctuation	±0.5 °C				
Temperature Deviation	±2.0 °C				
Humidity Range	20% to 98% RH				
Humidity Deviation	±2.5% RH				
Cooling Rate	1 °C / min				
Heating Rate	3 °C / min				
Cooling system	Mechanical compression refrigeration system				
Controller	Programmable color LCD touch screen controller; Ethernet connection, PC Link				
Water Supply System	Automatic water supply, Water purification system				
Safety Device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection; Earth leakage protection				
Exterior Material	Steel Plate with protective coating				
Interior Material	SUS304 stainless steel				
Power Supply	220 V 50 Hz / 380 V 50 Hz				
Ambient conditions	5 °C to +35 °C ≤85% RH				

TEMPERATURE & HUMIDITY CHAMBERS

Temperature Cycling Test Chamber

Cooling and heating without humidity, for temperature cycling, cold resistance and heat resistance tests, in five sizes from 100 to 1000 litres.



INTEON STANDARD

Programmable colour touch screen | Ethernet and USB | SUS304 interior | 3-year warranty

OPTIONS

Low temperature -40, -70 or -86 °C

- Five sizes from 100 to 1000 L
- Heating 3 °C/min, cooling 1 °C/min
- Mechanical compression refrigeration
- Multi-language interface

SPECIFICATIONS

Model	T-100	T-225	T-500	T-800	T-1000
Internal dimension (mm)	400 × 500 × 500	500 × 600 × 750	700 × 800 × 900	800 × 1000 × 1000	1000 × 1000 × 1000
Overall dimension (mm)	860 × 1050 × 1620	960 × 1150 × 1860	1180 × 1350 × 2010	1280 × 1550 × 2110	1500 × 1550 × 2110
Capacity	100 L	225 L	500 L	800 L	1000 L
Temperature range	-20 °C to +150 °C				
Low type	A: -40 °C; B:-70 °C; C: -86 °C				
Temperature fluctuations	±0.5 °C				
Temperature deviation	±2.0 °C				
Heating rate	3 °C / min				
Cooling rate	1 °C / min				
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB				
Cooling system	Mechanical compression refrigeration system				
Safety device	Over-temperature protection; over-current protection; Refrigerant high-pressure protection; Earth leakage protection				
Exterior material	Steel Plate with protective coating				
Interior material	SUS304 stainless steel				
Power Supply	220 V 50 Hz/380 V 50 Hz				
Ambient conditions	5 °C to +40 °C ≤85% RH				

TEMPERATURE & HUMIDITY CHAMBERS

Fast Change Rate Thermal Cycle Test Chamber

Testing under rapid temperature change, for ESS (Environmental Stress Screening) and thermal cycle tests. The ramp rate is controllable.



INTEON STANDARD

Programmable controller | Ethernet, PC link | 2 shelves, cable hole | 3-year warranty

OPTIONS

Ramp rate 5, 10 or 15 °C/min

- Controllable temperature ramp rate
- French TECUMSEH compressor
- PT100 class A platinum sensor
- Polyurethane foam insulation
- Observation window with interior lighting
- Maximum noise 65 dBA

SPECIFICATIONS

Model	TR5-100	TR5-225	TR5-500	TR5-800	TR5-1000
Internal Dimension (mm)	400 × 500 × 500	500 × 600 × 750	700 × 800 × 900	800 × 1000 × 1000	1000 × 1000 × 1000
Overall Dimension (mm)	900 × 1050 × 1620	1000 × 1140 × 1870	1200 × 1340 × 2020	1300 × 1540 × 2120	1500 × 1540 × 2140
Interior Volume	100 L	225 L	500 L	800 L	1000 L
Heat load	1000 W				
Temperature Range	-40 °C to +150 °C				
Temperature Fluctuation	±0.5 °C				
Temperature Deviation	±2.0 °C				
Cooling Rate	10 °C / min				
Heating Rate	10 °C / min				
Cooling system	Mechanical compression refrigeration system				
Refrigerating unit	French TECUMSEH compressor				
Heating Element	Nichrome heater				
Controller	Programmable color LCD touch screen controller, Ethernet connection, PC Link				
Temperature Sensor	PTR Platinum Resistance PT100Ω/MV A-class				
Air Circulation	Centrifugal wind fan				
Safety Device	Over-temperature Protection; Over-current Protection; Refrigerant High-Pressure Protection; Earth leakage Protection				
Exterior Material	Steel Plate with protective coating				
Interior Material	SUS304 stainless steel				
Thermal Insulation	Polyurethane foam and insulation cotton				
Observation Window	Interior lighting, double-layer thermo stability silicone rubber sealing				
Standard Configuration	1 Cable hole (Φ 50,) with plug; 2 shelves				
Power Supply	380 V 50 Hz				
Maximum Noise	65 dBA				

TEMPERATURE & HUMIDITY CHAMBERS

2-Zone Thermal Shock Test Chamber

The specimen is transferred automatically by basket between the cold chamber and the hot chamber. Small and large capacities.



INTEON STANDARD

Programmable colour touch screen | SUS304 interior | CE mark | 3-year warranty

OPTIONS

Ethernet and USB

- Smooth sample elevator between the chambers
- Temperature recovery within 15 minutes
- Adjustable and removable shelves
- Large viewing window with lamp
- Casters, shelf and cable port as standard

SPECIFICATIONS

Model	TS-162	TS-340	TS-500	TS-1000
Inner dimensions of test room (mm)	300 × 300 × 250	450 × 450 × 360	650 × 650 × 500	850 × 850 × 700
Volume of test room (mm)	22 L	72 L	211 L	505 L
Load of test room	20 kg	30 kg	50 kg	60 kg
Overall dimensions (mm)	1560 × 870 × 1545	1710 × 1020 × 1845	1910 × 1220 × 2265	2110 × 1420 × 2665
Pre-heat room: Upper limit preheat temperature	+220 °C			
Pre-heat room: Heating time	Ambient temperature to +200 °C, within 30 minutes			
Pre-cool room: Lower limit pre-cool temperature	-75 °C			
Pre-cool room: Cooling time	Ambient temperature to -70 °C, within 30 minutes			
Test room: High temperature exposure range	Ambient temperature +20 to +200 °C			
Test room: Low temperature exposure range	–65 to -5 °C			
Recovery time	Within 15 minutes			
Temperature fluctuation	≤±0.5 °C			
Temperature deviation	≤±3 °C			
Controller	Programmable color LCD touch screen controller			
Cooling system	Mechanical compression refrigeration system			
Safety device	Over-temperature protection; over-current protection; Refrigerant high-pressure protection; Earth leakage protection			
Exterior material	Steel Plate with protective coating			
Interior material	SUS304 stainless steel			
Power Supply	380 V 50 Hz			
Ambient conditions	5 °C to +40 °C ≤85% RH			

TEMPERATURE & HUMIDITY CHAMBERS

3TS Thermal Shock Test Chamber

One test room: cold and hot air is circulated through pneumatic dampers, so the specimens stay in place during the thermal shock.



INTEON STANDARD

Programmable colour touch screen | SUS304 interior | CE mark | 3-year warranty

OPTIONS

Ethernet and USB

- The test specimens remain stationary
- Pneumatic damper type, one test room
- Temperature recovery within 15 minutes
- Pre-heat and pre-cool rooms
- Adjustable and removable shelves
- Large viewing window with lamp

SPECIFICATIONS

Model	3TS-100	3TS-210	3TS-300	3TS-500
Internal dimensions (mm)	500 × 500 × 400	700 × 600 × 500	700 × 780 × 550	900 × 800 × 700
Overall dimensions (mm)	1150 × 1950 × 2100	1350 × 2100 × 2200	1350 × 2250 × 2300	2500 × 2250 × 2150
Sample Loads	10 kg	15 kg	25 kg	35 kg
Pre-heat room: Upper limit preheat temperature	+220 °C			
Pre-heat room: Heating time	Ambient temperature to +200 °C, within 30 minutes			
Pre-cool room: Lower limit pre-cool temperature	-70 °C			
Pre-cool room: Cooling time	Ambient temperature to -70 °C, within 30 minutes			
Test room: High temperature exposure range	Ambient temperature +20 to +200 °C			
Test room: Low temperature exposure range	–65 to -5 °C			
Recovery time	Within 15 minutes			
Temperature fluctuation	≤±0.5 °C			
Temperature deviation	≤±3 °C			
Controller	Programmable color LCD touch screen controller			
Cooling system	Mechanical compression refrigeration system			
Safety device	Over-temperature protection; over-current protection; Refrigerant high-pressure protection; Earth leakage protection			
Exterior material	Steel Plate with protective coating			
Interior material	SUS304 stainless steel			
Power Supply	380 V 50 Hz			
Ambient conditions	5 °C to +40 °C ≤85% RH			

TEMPERATURE & HUMIDITY CHAMBERS

Vibration Test Chamber

Temperature, humidity and vibration in one chamber, to evaluate component reliability under combined stress.



INTEON STANDARD

Programmable control | SUS304 interior | 3-year warranty

OPTIONS

Hydraulic lift platform

- -50 to +150 °C, 30 to 98% RH
- 240 mm electrodynamic shaker, up to 500 kg
- Heating and cooling up to 5 °C/min
- RS232/USB interface

SPECIFICATIONS

Model	THV-1000
Internal Dimension (mm)	1000 × 1000 × 1000
Overall Dimension (mm)	1800 × 4600 × 2600
Temperature Range	-50 °C to +150 °C
Temperature Fluctuation	±0.5 °C
Temperature Deviation	±2.0 °C
Humidity Range	30% to 98% RH
Humidity Deviation	±2.5% RH
Cooling Rate	5 °C / min
Exterior material	Steel Plate with protective coating
Interior material	SUS304 stainless steel
Power supply	380 V 50 Hz

TEMPERATURE & HUMIDITY CHAMBERS

Cryogenic Chamber

Down to -120 °C with mechanical cascade refrigeration and three refrigerants, without liquid nitrogen. Five sizes from 100 to 1000 litres.



INTEON STANDARD

Programmable colour touch screen | Ethernet and USB | 2 shelves | CE and RoHS | 3-year warranty

OPTIONS

Custom sizes

- -120 to +150 °C
- Cascade refrigeration, no liquid nitrogen
- PT100 class A sensor
- Heating 3 °C/min, cooling 1 °C/min
- 50 mm cable port with plug
- Multi-language interface

SPECIFICATIONS

Model	CF-100	CF-225	CF-500	CF-800	CF-1000
Internal Dimension (mm)	400 × 500 × 500	500 × 600 × 750	700 × 800 × 900	800 × 1000 × 1000	1000 × 1000 × 1000
Overall Dimension (mm)	860 × 1050 × 1620	960 × 1150 × 1860	1180 × 1350 × 2010	1280 × 1550 × 2110	1500 × 1550 × 2110
Capacity	100 L	225 L	500 L	800 L	1000 L
Temperature Range	-120 °C to +150 °C				
Temperature Fluctuations	±0.5 °C				
Temperature Deviation	±2.0 °C				
Heating Rate	3 °C / min				
Cooling Rate	1 °C / min				
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB				
Cooling System	Mechanical compression refrigeration system				
Safety Device	Over-temperature protection; over-current protection; Refrigerant high-pressure protection; Earth leakage protection				
Exterior Material	Steel Plate with protective coating				
Interior Material	SUS304 stainless steel				
Timing Function	0.1 to 999.9 (S, M, H) settable				
Power Supply	220 V 50 Hz/380 V 50 Hz				
Ambient conditions	5 °C to +40 °C ≤85% RH				

TEMPERATURE & HUMIDITY CHAMBERS

PV Solar Panel Test Chamber

Thermal cycling, humidity freeze and damp heat tests of PV modules, with adjustable racks for the panels.



INTEON STANDARD

- Programmable colour touch screen
- Ethernet and USB
- Panel racks
- 3-year warranty

OPTIONS

- Other chamber sizes

- ✓ Thermal cycling -40 to +85 °C (50 and 200 cycles)
- ✓ Humidity freeze: 10 cycles from 85 °C, 85% RH to -40 °C
- ✓ Damp heat: 1000 h at 85 °C, 85% RH
- ✓ Adjustable supporting racks, cable port

SPECIFICATIONS

Model	PV-04
Internal size (mm)	1300(D) * 700(W) * 1350(H)
External size (mm)	1900(D) * 1100(W) * 1750(H)
Effective volume	1220Liters (1.22m3)
Temperature range	-40 °C to +100 °C, controllable
Temperature fluctuation	±0.5 °C
Temperature uniformity	±2 °C
Humidity range	20% to 98% RH, controllable
Humidity deviation	+2 /-3% RH
Heating rate	1 to 3.4 °C/min (adjustable)
Cooling rate	1 to 3.4 °C/min (adjustable)
Exterior material	Steel Plate with protective coating
Interior material	SUS304 stainless steel
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB
Safety protection system	Humidifier Dry-combustion Protection; Over-temperature Protection; Over-current Protection; Refrigerant High-pressure Protection; Water Shortage Protection; Earth leakage Protection
Power supply	AC 380 V 50 Hz; 3Phase
Standard	IEC61215, UL 1703, IEC61646

SALT SPRAY CHAMBERS

Salt Spray Corrosion Test Chamber

Salt spray tests of painted, coated and electroplated surfaces to ASTM, ISO and IEC standards, in six sizes.



INTEON STANDARD

PID control | Sample holders | Castors with brake | CE | 3-year warranty

OPTIONS

Continuous or periodic spray | Custom sizes

- Precise temperature control with digital display
- Salt fog measurement and control
- Transparent observation lid
- Seal system against leaks

SPECIFICATIONS

Model	S-150	S-250	S-750	S-010	S-016	S-020
Internal dimensions (mm)	470 × 590 × 400	640 × 1000 × 500	750 × 1100 × 500	1000 × 1300 × 600	900 × 1600 × 720	1000 × 2000 × 800
Overall dimensions (mm)	620 × 1400 × 1050	810 × 1800 × 1180	920 × 1900 × 1200	1200 × 2200 × 1400	1300 × 2500 × 1600	1420 × 3000 × 1850
Temperature range	Ambient to 60 °C					
Humidity range	95% to 98% RH					
Temperature fluctuations	±0.5 °C					
Temperature deviation:	±2.0 °C					
Test time	1 to 999 hours, settable					
Spray deposition	1 to 2ml / 80cm2 · h					
Spray type	Continuous / Periodic					
Temperature Controller	LED display, P.I.D+S.S.R. microcomputer integrated controller					
Salt water preheating	Saturated air barrel					
Spraying system	Atomizer tower and Spray nozzles (Fog is more fine and uniform distribution)					
Interior /Exterior material	Glass fiber reinforced plastics					
Standard configuration	Sample bracket / sample holder / spray nozzle / Fog collectors / measure cylinder					
Safety device	over-temperature protection, water shortage protection, over current protection, earth leakage protection					
Standard	ISO 3768/3769/3770, DIN50021-75, ASTM B-117, JIS H8502, IEC 68-2-11,IEC68-2-52, MIL-STD-750, ISO 9227					
Power Supply	220 V 50 Hz/AC 380 V 50 Hz					

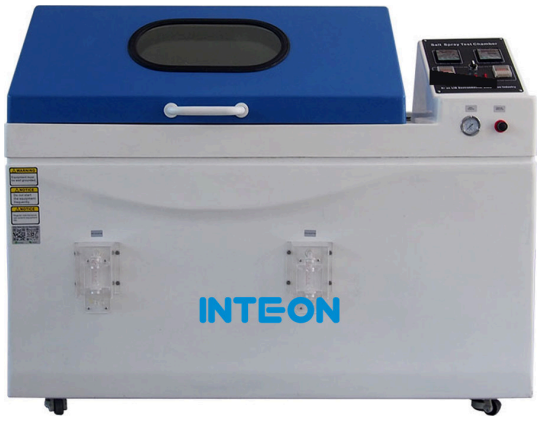


Workroom

SALT SPRAY CHAMBERS

Salt Fog Mist Test Chamber

Neutral, acetic acid and copper accelerated salt spray tests (NSS, AASS, CASS) in six sizes.



INTEON STANDARD

PID control | Quartz nozzles | Sample holders | 3-year warranty

OPTIONS

Continuous or periodic spray

- NSS, AASS and CASS tests
- Spray deposition 1-2 ml/80 cm² per hour
- PT100 sensors, fluctuation ±0.5 °C
- Automatic water inlet, dry-burn protection
- Multilingual touch screen, data export

SPECIFICATIONS

Model	S-150	S-250	S-750	S-010	S-016	S-020
Internal Dimensions (mm)	470 × 590 × 400	640 × 1000 × 500	750 × 1100 × 500	1000 × 1300 × 600	900 × 1600 × 720	1000 × 2000 × 800
Overall Dimensions (mm)	620 × 1400 × 1050	810 × 1800 × 1180	920 × 1900 × 1200	1200 × 2200 × 1400	1300 × 2500 × 1600	1420 × 3000 × 1850
Temperature Range	Ambient to 60 °C					
Humidity Range	95% to 98% RH					
Temperature Fluctuations	±0.5 °C					
Temperature Deviation	±2.0 °C					
Test Time	1 to 999 hours, settable					
Spray Deposition	1 to 2ml / 80cm2 · h					
Spray Type	Continuous / Periodic					
Temperature Controller	LED display, P.I.D+S.S.R. microcomputer integrated controller					
Salt Water Preheating	Saturated air barrel					
Spraying System	Atomizer tower and Spray nozzles (Fog is more fine and uniform distribution)					
Interior /Exterior Material	Glass fiber reinforced plastics					
Standard Configuration	Sample bracket / sample holder / spray nozzle / Fog collectors / measure cylinder					
Safety Device	over-temperature protection, water shortage protection, overcurrent protection, earth leakage protection					
Standard	ISO 3768/3769/3770, DIN50021-75, ASTM B-117, JIS H8502, IEC 68-2-11,IEC68-2-52, MIL-STD-750, ISO 9227					
Power Supply	220 V 50 Hz/AC 380 V 50 Hz					

SALT SPRAY CHAMBERS

Cyclic Corrosion Test Chamber (SO2 gas)

Repetitive cycles of temperature, humidity, salt spray and drying in one chamber, with SO2 gas.



INTEON STANDARD

Programmable controller | Ethernet | Pneumatic lid | 3-year warranty

OPTIONS

Custom sizes

- Glass fibre reinforced plastic structure
- Pneumatic lid
- 10 to 90 °C, 30 to 98% RH
- Spray deposition 1-2 ml/80 cm² per hour
- Continuous automatic operation

SPECIFICATIONS

Model	SC-010	SC-016	SC-020
Internal dimensions (mm)	800 × 1450 × 680	1000 × 1600 × 800	1000 × 2000 × 900
Overall dimensions (mm)	1400 × 2500 × 1720	1600 × 2650 × 1840	1600 × 3050 × 1940
Temperature range	10 °C to 90 °C		
Humidity range	30% to 98% RH		
Temperature tolerance	±2.0 °C		
Humidity tolerance	+2%, -3%		
Salt concentration tolerance	±1%		
Spray deposition	1 to 2ml / 80cm2 · h		
Controller	Programmable color LCD touch screen controller		
Cooling system	Mechanical compression refrigeration system		
Spraying system	Atomizer tower and Spray nozzles (Fog is more fine and uniform distribution)		
Interior /Exterior material	Glass fiber reinforced plastics		
Safety device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection, Earth leakage protection		
Power Supply	AC 380 V 50 Hz		
Test standard	IEC60068-2-52, IEC61701-2, ASTM G85, ISO 7253		

ACCELERATED WEATHERING TESTERS

Xenon Arc Accelerated Weathering Test Chamber

Sunlight, temperature, humidity and water spray in one chamber: accelerated weathering tests with a xenon arc lamp.



INTEON STANDARD

Programmable colour touch screen

Rotating sample rack | Water system | CE

3-year warranty

OPTIONS

Optical filters | Chamber size and irradiance level

- 4500 W water-cooled xenon lamp
- Up to 42 specimens on the rotating rack
- Irradiance control within ±5%
- Black panel temperature monitoring
- Closed-loop deionized water system

SPECIFICATIONS

Model	XL-S-750
Internal Dimensions D × W × H	950 × 950 × 850 mm
Overall dimensions D × W × H	1300 × 1420 × 1800 mm
Specimen Capacity	42 pcs
Specimen Holder Size	95 × 200 mm
Irradiation Source	1 piece of 4500 W water-cooled Xenon Lamp with inner quartz and outer borosilicate filter
Irradiance Range	35 to 150 W/m² (100 to 1200 W/m² @280-800 nm)
Bandwidth Measurement	300-420 nm
Chamber Temperature Range	Ambient to 100 °C ±2 °C
Black Panel Temperature	BPT 35 to 85 °C ±2 °C
Relative Humidity Range	50 to 98% RH ±5% RH
Water Spray Cycle	1 to 9999H59M, adjustable
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB
UV Radiometer	Tolerance: ±5%
Safety Device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection, Earth leakage protection
Interior Material	SUS304 stainless steel
Exterior Material	Steel Plate with protective coating
Power Supply	AC 380 V 50 Hz
Standard	ISO 105-B02/B04/B06, ISO4892-2, ISO11341. AATCC TM16, TM169, ASTM G155-1/155-4, JIS L0843, SAEJ1960/1885, JASOM346, PV1303, IEC61215, IEC62688

ACCELERATED WEATHERING TESTERS

UV Weathering Resistance Test Chamber

UV light, temperature, condensing humidity and water spray: accelerated weathering tests with UVA-340 or UVB-313 lamps.



INTEON STANDARD

- Programmable touch screen
- Ethernet and USB
- Automatic water supply
- CE and RoHS
- 3-year warranty

OPTIONS

- Irradiance control (UV-SI-260)

- ✓ Eight 40 W fluorescent UV lamps
- ✓ 48 specimens
- ✓ Water spray and condensation
- ✓ Easy-to-mount sample holders, castors

SPECIFICATIONS

Model	UV-260	UV-SI-260
Internal Dimensions (mm)	450 × 1170 × 500	
Overall Dimensions (mm)	680 × 1300 × 1500	
Capacity of Test Specimens	48 pieces, individual specimen size is 75 mm × 150 mm	
Controller	Programmable color display touch screen controller	
Temperature Range	Ambient to 90 °C ±2 °C	
Humidity Range	≥95% RH ±2% RH	
Black Panel Temperature	BPT 30 to 80 °C	
Irradiation Source	Fluorescent UV lamps (8) – 40 W	
UV Wavelength	290 to 400 nm	
Irradiance Control	N/A	0.3 to 20 W/m² (340 nm / 313 nm)
Water Spray	Spraying water	
Distance of Specimen and Lamp	50 mm	
Nominal Power	5000 W	5500 W
Power Supply	380 V 50 Hz	



UV lamps



Controller

DUST & RAIN (IP) CHAMBERS

IP5X IP6X Sand and Dust Test Chamber

Dust and sand ingress tests (IP5X, IP6X) of automotive and electronic components to IEC 60529 and ISO 20653, in four sizes.



INTEON STANDARD

Programmable colour touch screen | Ethernet and USB | SUS304 interior | CE | 3-year warranty

OPTIONS

Larger volumes | Custom made

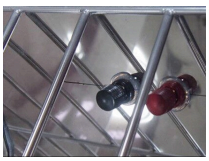
- 800, 1000, 1500 and 2000 L
- Constant dust concentration by wind tunnel and air outlet
- Vacuum system and power interface
- Viewing window with wiper, interior light

SPECIFICATIONS

Model	DI-800	DI-1000	DI-1500	DI-2000
Internal dimensions (mm)	800 × 1000 × 1000	1000 × 1000 × 1000	1000 × 1500 × 1000	1000 × 2000 × 1000
Overall dimensions (mm)	1040 × 1450 × 1960	1200 × 1450 × 1960	1250 × 1900 × 1960	1300 × 2400 × 1960
Temperature range	Ambient to +50 °C			
Normal wire diameter	50 µm			
Normal width of a gap between wire	75 µm			
The talcum powder amount	2 kg to 4 kg/m3			
Dust blowing time	0 to 99H59M			
Fan cycle time	0 to 99H59M			
Specimen power outlet	Dust-proof socket AC 220 V 16A			
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB			
Exterior material	Steel Plate with protective coating			
Interior material	SUS304 stainless steel			
Safety system	Electric leakage, short circuit, Over-temperature, motor overheating Over-current protection/ Power failure memory function for controller			
Power supply	380 V 50 Hz			



Controller


Specimen power

DUST & RAIN (IP) CHAMBERS

Dustproof Test Chamber

Dust ingress tests of automotive and electronic components to IEC 60529 and ISO 20653, in four sizes.



INTEON STANDARD

Programmable colour touch screen | Ethernet and USB | SUS304 interior | 3-year warranty

OPTIONS

Larger volumes

- 800, 1000, 1500 and 2000 L
- IEC 60529, ISO 20653
- Constant dust concentration by wind tunnel and air outlet
- Viewing window with wiper, interior light
- Power socket for the specimen

SPECIFICATIONS

Model	DI-800	DI-1000	DI-1500	DI-2000
Internal dimensions (mm)	800 × 1000 × 1000	1000 × 1000 × 1000	1000 × 1500 × 1000	1000 × 2000 × 1000
Overall dimensions (mm)	1040 × 1450 × 1960	1200 × 1450 × 1960	1250 × 1900 × 1960	1300 × 2400 × 1960
Temperature range	Ambient to +50 °C			
Normal wire diameter	50 µm			
Normal width of a gap between wire	75 µm			
The talcum powder amount	2 kg to 4 kg/m3			
Dust blowing time	0 to 99H59M			
Fan cycle time	0 to 99H59M			
Specimen power outlet	Dust-proof socket AC 220 V 16A			
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB			
Exterior material	Steel Plate with protective coating			
Interior material	SUS304 stainless steel			
Safety system	Electric leakage, short circuit, Over-temperature, motor overheating Over-current protection/ Power failure memory function for controller			
Power supply	380 V 50 Hz			

DUST & RAIN (IP) CHAMBERS

MIL-STD-810 Blowing Sand and Dust Test Chamber

Blowing dust and blowing sand tests in accordance with MIL-STD-810G.



INTEON STANDARD

Dust detector | Electromagnetic lock | Turntable | 3-year warranty

OPTIONS

Custom sizes

- 10 to 80 °C
- Blowing dust and blowing sand in one system
- Adjustable wind speed
- Three sand concentrations
- Maximum noise 65 dBA

SPECIFICATIONS

Model	DIM-1000
Internal Dimension	1000 × 1000 × 1000 mm D × W × H
Overall Dimension	2800 × 3500 × 2000 mm D × W × H
Interior Volume	1000 L
Blowing Dust	
Air velocity	1.5-8.9 m/s
Concentration of dust	10.7±7 g/m^3
Dust particles	< 150 μm
Blowing sand	
Air velocity	18.0-29.0 m/s
Concentration of sand	0.18 ±0.2 g/m^3; 1.1 ±0.3 g/m^3; 2.2 ±0.5 g/m^3
Sand particles	149 μm – 600 μm, 600 μm – 850 μm
Controller	Programmable color LCD touch screen controller
Door Lock	Electromagnetic lock
Testing Platform Diameter	600 mm
Testing Platform Speed	1-7 r.p.m
Dust Detector	Integrated dust detector
Dust collection and cleaning	Equipped with a vacuum cleaner interface, an electric vibrator is installed on the entire air duct and the wall of the test chamber, which can shake off and disperse the dust absorbed on the wall
Exterior Material	A3 Steel Plate with protective coating
Interior Material	SUS304 stainless steel
Power Supply	380 V 50 Hz
Maximum Noise	65 dBA
Standard	MIL-STD-810G

DUST & RAIN (IP) CHAMBERS

IPX1-IPX4 Drip and Spray Water Test Chamber

Drip and spray water tests IPX1, IPX2, IPX3 and IPX4 in one chamber, to IEC 60529 and ISO 20653.



INTEON STANDARD

Programmable colour touch screen | Ethernet and USB | Turntable | CE | 3-year warranty

OPTIONS

Custom sizes | Stepless turntable speed

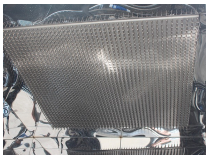
- IPX1, IPX2, IPX3 and IPX4 in one chamber
- Water recirculation and automatic water supply
- Waterproof power connector in the test room
- Viewing window with wiper, interior light

SPECIFICATIONS

Model	R-800C	R-1200C
Internal dimensions (mm)	800 × 800 × 800	1200 × 1200 × 1200
Overall dimensions (mm)	1020 × 1360 × 1560	1450 × 1450 × 2000
Oscillating tube radius	400 mm	600 mm
Spraying hole diameter	φ0.4 mm	
Hole spacing	50 mm	
Swing angle of oscillating tube	0 to ±180° (adjustable)	
Drip Tray	IPX1 IPX2 drip nozzle diameter φ0.4 mm	
Turntable rotation speed	1r/min, or stepless speed regulating (optional)	
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB	
Safety protection device	Electric leakage, short circuit, motor overheating, over-current protection	
Exterior material	Steel Plate with protective coating	
Interior material	SUS304 stainless steel	
Power	AC 380 V 50 Hz	
Standard	IEC 60529, ISO20653	



Oscillating tube



Drip tray

DUST & RAIN (IP) CHAMBERS

IPX5 IPX6 Water Jetting Test Chamber

Water jet tests of enclosures, automotive parts, lamps and connectors: IPX5 and IPX6 in one chamber.



INTEON STANDARD

PID control | Flow meter | Turntable | 304 stainless steel | 3-year warranty

OPTIONS

Custom sizes

- 6.3 mm (IPX5) and 12.5 mm (IPX6) nozzles
- 12.5 L/min and 100 L/min, automatically controlled
- Waterproof power connector in the test room
- Lighting and viewing window

SPECIFICATIONS

Model	R56-800C
Workroom dimension (mm)	800 × 800 × 800
External dimension (mm)	950 × 3150 × 1800
Diameter of turntable (mm)	600
Water flow rate	IPX5: 12.5 L/min ±5% ; IPX6: 100 L/min ±5%
Water tank size	450 × 250 × 450 D × W × H
Nozzle Internal Diameter	IPX5 nozzle Dia. 6.3 mm, IPX6 nozzle Dia. 12.5 mm
Water pressure control	Flow meter
Water supply system	Storage water tank, Booster pump, Automatic water supply, Water purification system
Exterior material	Steel Plate with protective coating
Interior material	SUS304 stainless steel
Power supply	380 V 50 Hz

DUST & RAIN (IP) CHAMBERS

IPX7 IPX8 Water Immersion Test Equipment

Immersion tests up to the pressure of 50 m water depth: IPX7 and IPX8 in one equipment.



INTEON STANDARD

Pneumatic lid | Automatic water supply | 3-year warranty

OPTIONS

Custom sizes

- IPX7 and IPX8 in one equipment
- 50 m water depth pressure
- Water circulation reduces water use
- Automatic water supply

SPECIFICATIONS

Model	R78-600
Internal Dimension (mm)	Diameter 600 mm * Height 1500 mm
Overall Dimension (mm)	Diameter 800 mm * Height 1800 mm
Pressure	50m water depth pressure
Open mode	Pneumatic lid
Material	A3 steel plate, wall thickness 15 mm
Controller	Programmable color display touch screen controller
Water Supply System	Storage water tank, Automatic water supply
Power	AC 380 V 50 Hz

DUST & RAIN (IP) CHAMBERS

IPX9K High Pressure Water Spray Test Chamber

High pressure, high temperature water jets: IPX9K tests to IEC 60529 and ISO 20653.



INTEON STANDARD

Programmable colour touch screen | Ethernet and USB | Turntable | CE | 3-year warranty

OPTIONS

Custom sizes

- 8000-10000 kPa, 14-16 L/min
- Water jets at 0°, 30°, 60° and 90°
- Turntable 5 ±1 r/min
- Water circulation and automatic water supply
- Waterproof power connector

SPECIFICATIONS

Model	R9K-1200
Internal dimensions (mm)	1000 × 1200 × 1000 D × W × H
Overall dimensions (mm)	1250 × 1700 × 2050 D × W × H
Water Spray Temperature	Ambient to 88 °C (Adjustable)
Water Spray Angle	0°, 30°, 60°, 90°
Spray Nozzle	Four, 30 seconds each position
Spray Range	30° ±5° (Single hole); Space 100-150 mm
Distance from water spraying to specimens	10 to 15 cm
Water Pressure	8000-10000 kPa (adjustable)
Water Flow Rate	14 L-16 L/min
Testing Platform Speed	5 ±1 r.p.m
Test Platform height	200-450 mm, adjustable
Test Platform diameters	600 mm
Load	≤100 kg
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB
Pressure meter Alarm function	Power protection, timing (to be automatic stop), water protection, motor overheating protection, water temperature overheating automatic drainage, water function
Interior Material	SUS304 stainless steel
Exterior Material	Steel Plate with protective coating
Power Supply	380 V 50 Hz

DUST & RAIN (IP) CHAMBERS

GMW16001 Water Leak Test Chamber

Low pressure spray, submersion and high pressure spray for automotive components to GMW16001.



INTEON STANDARD

PID touch screen | Turntable 1-7 r/min | 3-year warranty

OPTIONS

Remote monitoring

- Three water intrusion modes
- Low pressure hose 30 L/min, high pressure nozzle 13 L/min
- Adjustable turntable
- Up to 100 programs

SPECIFICATIONS

Model	R-300
Turntable Rotation Speed	1 – 7 r/min (Adjustable)
Low pressure Spray	Internal Diameter of Low pressure hose: 16 mm Water Flow Rate: 30 L/min Minimum test time: 3 minutes
Water Submersion Test	Water box size (mm): 300 × 200 × 200 The height of water: 100 mm Minimum test time: 1 hour
High pressure Spray Test	Internal Diameter of High pressure Nozzle: 6.35 mm High pressure Nozzle Type: MEG SSTC2507 High pressure: 7600 kPa Water Flow Rate: 13 L/min
Power Supply	220 V 60Hz 1P
Standard	GMW16001

DUST & RAIN (IP) CHAMBERS

JIS D 0203 Rain and Spray Test Chamber

Rain (R1, R2) and spray (S1, S2) tests of automotive parts to JIS D 0203.



INTEON STANDARD

Touch screen | Ethernet | 304 stainless steel | 3-year warranty

OPTIONS

Custom sizes

- 2 rain nozzles and 40 spray nozzles
- Flow meter for precise water pressure
- Water circulation and automatic water supply
- Remote control and data download

SPECIFICATIONS

Model	R-1000JIS
Internal Dimensions (mm)	1000 × 1000 × 1000 D × W × H
Overall Dimensions (mm)	1100 × 1460 × 1900 D × W × H
Interior Volume (L)	1000
Distance from Specimen to Nozzle	Approx.400 mm
Rain Nozzle	2 holes
Rain Nozzle Hole	Φ0.5 mm
R1 Water Flow Rate	1.9 L/min
R2 Water Flow Rate	3.3 L/min
Spray Nozzle	40 holes
Spray Nozzle Hole	Φ1.2 mm
S1 Water Flow Rate	24.5 L/min
S2 Water Flow Rate	39.2 L/min
Water Pressure at Nozzle	0.03 to 0.30MPa
Turntable Rotation Speed	17r/min
Water Pressure Control	Flow meter
Controller	Programmable color LCD touch screen controller
Safety Device	Over-temperature Protection; Over-current Protection; Water Shortage Protection; Earth leakage Protection; Phase Sequence Protection
Exterior Material	Steel Plate with protective coating
Power Supply	380 V 50 Hz
Standard	JIS D0203

DUST & RAIN (IP) CHAMBERS

IPX1-IPX8 Water Test Set, Open Type

A complete set of IPX1 to IPX8 water ingress test equipment without housing, for large specimens.



INTEON STANDARD

Touch screen | Turntable 50 kg | SUS304 | 3-year warranty

OPTIONS

Oscillating tubes 200-1600 mm

- IPX1, IPX2 drip, IPX3, IPX4 oscillating tube, IPX5, IPX6 jet, IPX7, IPX8 immersion
- Eight oscillating tubes
- Open frame for large specimens
- Water recycling

SPECIFICATIONS

Model	RNH-12 (IPX1X2 Test Equipment)
IPX1X2 Drip Tray (mm)	1400(D) × 1400(W)
IPX1X2 External Shelf	1600(D) × 1600(W) × 2500(H)
Water flow rate	1±0.5 mm/min for IPX1; 3±0.5 mm/min for IPX2
IPX1X2 hole diameters	φ0.4 mm
IPX1X2 hole spacing	20 mm
Turntable dimensions (mm)	600 mm
Turntable loads	50 kg
Water supply system	Booster pump, Water purification system

Model	RNH34 (IPX3X4 Test Equipment)
Controller	Programmable color touch screen controller, Ethernet for PC link
Standard	IEC60529
Material	SUS304 stainless steel
IPX3X4 oscillating tube radius	8 pcs (200 mm, 400 mm, 600 mm, 800 mm, 1000 mm, 1200 mm, 1400 mm, 1600 mm)
IPX3X4 flow rate per hole	0.07 L/min
IPX3X4 spraying hole diameters	φ0.4 mm
Hole spacing	50 mm
Turntable dimensions (mm)	600 mm
Turntable loads	50 kg
Water supply	Water purification system

Model	RNH-56 (IPX5X6 Test Equipment)
Controller	Programmable color touch screen controller, Ethernet
Water tank (mm)	800 × 800 × 800
Standard	IEC60529
Material	SUS304 stainless steel
Diameter of nozzle	IPX5 nozzle 6.3 mm; IPX6 nozzle 12.5 mm
Water flow rate	12.5 L/min for IPX5, 100 L/min for IPX6
Turntable dimensions (mm)	600 mm
Turntable loads	50 kg

OZONE TEST CHAMBERS

Ozone Aging Test Chamber

Ozone aging tests of rubber and elastomers within a few days, with static and dynamic sample holders, in four sizes.



INTEON STANDARD

Programmable colour touch screen | Ethernet and USB | 304 stainless steel | 3-year warranty

OPTIONS

Static and dynamic holders

- Ozone 1-1000 pphm, automatically controlled
- 0 to 100 °C, 30 to 98% RH
- Static and dynamic sample holder
- ASTM D1149, ISO 1431, JIS K6259

SPECIFICATIONS

Model	OC-250	OC-500	OC-800	OC-010
Internal Dimensions (mm)	600 × 600 × 700	700 × 800 × 900	800 × 1000 × 1000	1000 × 1000 × 1000
Overall Dimensions (mm)	960 × 1150 × 1860	1180 × 1350 × 2010	1280 × 1550 × 2110	1500 × 1550 × 2110
Temperature Range	0 °C to 100 °C			
Humidity Range	30% – 98% RH			
Temperature Fluctuation	±0.5 °C			
Temperature Deviation	±2.0 °C			
Humidity Deviation	±2.5% RH			
Cooling Rate	Ambient to 0 °C within 20 min			
Ozone Concentration	1 to 1000 pphm			
Sample Holder Rotate Speed	0 to 10 r/min			
Airflow Rate	0 to 60 L/min			
Clamps Tensile Stretch	5% to 35%			
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB			
Cooling System	Mechanical compression refrigeration system			
Safety Device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection, Earth leakage protection			
Exterior Material	Steel Plate with protective coating			
Interior Material	SUS304 stainless steel			
Power & Voltage	AC 380 V 50 Hz			
Standard	ASTM D 1149; IEC60811-403; ISO 1431; JIS K6259; ASTM D1171			

NOXIOUS GAS CORROSION CHAMBERS

SO2 H2S Gas Corrosion Test Chamber

Gas corrosion tests with a single gas or mixed gases, with temperature and humidity control, in five sizes.



INTEON STANDARD

Programmable colour touch screen | Ethernet and USB | Safety lock | 3-year warranty

OPTIONS

Mixed gas: SO2, H2S, CO2, HCl

- Single and mixed gas tests
- IEC 60068-2-42 and IEC 60068-2-60
- Automatic gas measurement and control
- Electromagnetic safety lock

SPECIFICATIONS

Model	SO-100	SO-225	SO-500	SO-800	SO-1000
Internal Dimensions (mm)	450 × 450 × 500	500 × 600 × 750	800 × 700 × 900	800 × 1000 × 1000	1000 × 1000 × 1000
Overall Dimensions (mm)	1050 × 880 × 1440	1050 × 1020 × 2000	1320 × 1320 × 2170	1470 × 1520 × 2315	1670 × 1520 × 2315
Temperature Range	15 °C to +80 °C				
Humidity Range	30% to 98% RH				
Temperature Fluctuation	±0.5 °C				
SO2 Concentration	25 ±5 ppm				
Controller	Programmable color LCD touch screen controller, Multi-language interface, Ethernet, USB				
Interior Material	Glass fiber reinforced plastics				
Exterior Material	Steel Plate with protective coating				
Standard	IEC 60068-2-42				
Power & Voltage	AC 380 V 50 Hz				

HIGH TEMPERATURE OVENS

High Temperature Industrial Oven

Industrial ovens for high temperature drying, paint and ink drying and high temperature tests, in five sizes.



INTEON STANDARD

Touch screen | Electric heating | 3-year warranty

OPTIONS

Temperature up to +400 or +900 °C | Custom sizes

- ✓ Five sizes from 100 to 1000 L
- ✓ Heating about 6 °C/min
- ✓ Temperature fluctuation ±0.5 °C
- ✓ Timer 0.1-999.9

SPECIFICATIONS

Model	0-100	0-225	0-500	0-800	0-1000
Internal Dimensions (mm)	400 × 500 × 500	500 × 600 × 750	700 × 800 × 900	800 × 1000 × 1000	1000 × 1000 × 1000
Overall Dimensions (mm)	750 × 880 × 850	800 × 950 × 1000	1100 × 1100 × 1300	1100 × 1450 × 1400	1300 × 1400 × 1400
Temperature Range	Ambient to +250 °C; (Ambient to +400 °C; Ambient to +900 °C)				
Temperature Fluctuations	±0.5 °C				
Temperature Deviation	±2.0 °C				
Heating Rate	About 6 °C / min				
Controller	Programmable color LCD touch screen controller				
Exterior Material	Steel Plate with Protective coating				
Interior Material	SUS304 stainless steel				
Timing Function	0.1 to 999.9 (S, M, H) settable				
Power Supply	AC 220 V 50 Hz				

WALK-IN & DRIVE-IN CHAMBERS

Walk-in and Drive-in Chambers

Large chambers for vehicles, palletized loads and large products, assembled and commissioned on site.



INTEON STANDARD

PC link, Ethernet | On-site installation | 3-year warranty

OPTIONS

Salt fog, dust, rain or vibration | Integrated or disassembling type | Custom made

- -70 to +150 °C, 10 to 95% RH (WTH-0015C)
- Walk-in and drive-in versions
- Piece assembling structure
- Designed to your specimen and site

SPECIFICATIONS

Model	WTH-0015C
Internal dimension (mm)	2500 × 2500 × 2500 D × W × H
Overall dimension (mm)	4000 × 2550 × 2850 D × W × H
Temperature range	-70 °C to +150 °C
Humidity range	10% to 95% RH
Temperature fluctuations	±2.0 °C
Humidity fluctuations	±5.0% RH
Heating rate	1 °C / min
Cooling rate	1 °C / min
Controller	Programmable color LCD touch screen controller, PC Link, Ethernet port
Cooling system	Mechanical compression refrigeration system
Safety device	Humidifier dry-combustion protection; over-temperature protection; over-current protection; Refrigerant high-pressure protection; Water shortage protection; Earth leakage protection
Exterior material	Steel Plate with protective coating
Interior material	SUS304stainless steel
Power Supply	400 V 50 Hz
Ambient conditions	5 °C to +40 °C ≤85% RH

INTEON PRODUCT RANGE

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CONVEYORS



N2 GENERATORS



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TC-1/2027