



Sand Dust Test Chamber Series

Global Leading Integrated Solution Provider for
Environmental and Climatic Simulation Test

Features

- Accept customized design requirements.
- Properties and applications meet the military and industry standards.
- 7" touch screen display and intelligent software for easy and comfortable operation.
- Advanced rotary blowing design to prevent dust from backflow.
- Automatic control the amount of dust/sand and wind to meet the standards of tests.
- Dynamic adjustment temperature control system: rapid and stable control of test chambers' temperature.
- Intelligent function: automatically add and recycle sand/dust.
- Independent control of temperature and humidity ensures a stable testing.
- Fashionable design of modular construction.
- Observation window in testing space with a dust wiper for real-time monitoring.
- Optional APP mobility management.
- Intelligent and independent protection design for overload, overheat, powersupply abnormality, overvoltage, component malfunction monitoring.
- Optional remote assist service function and teaching CDs.

Specifications

Model	ESC500	ESC800	ESC1000	ESC1500
Sample holder Dimension (mm)	785×785	790×990	980×980	980×1480
Test Space Dimension (mm)	800W×800D×800H	800W×1000D×1000H	1000W×1000D×1000H	1000W×1500D×1000H
Temp. Range (℃)	RT +20~+80 adjustable			
Selective Dustproof	IP5X (Dustproof Test, increase or no negative pressure) ; IP6X (Seal Test, increase negative pressure)			
Standards	GB4208-2008 / IEC60529:2001			
Power	AC230V ±10%, 50HZ, 3/N/PE			

Model	SC-PRO Series
Temp. Range (℃)	RT+20 ~ +80 Adjustable
Humid. Range (%RH)	10~30
Blowing methods	Up and Down, Gyrotory Cycle
Time control	0~99h59m59s, adjustable
Dust Blowing Test	GJB-150.12-2009
Dust Concentration (g/m ³)	10.6±7
Speed of Dust Blowing (m/s)	1.5~8.9
Dust Composition	97%~99%SiO ₂
Sand Blowing Test	GJB-150.12-2009
Sand Concentration (g/m ³)	2.2g±0.5; 1.1g±0.3; 0.18
Speed of Sand Blowing (m/s)	18~30
Sand Diameter (um)	150≤Sand Diameter ≤850
Dust-Falling Test	GJB-150.12-2009
Dust-Falling Concentration (g/m ³)	0.1~10.6±7
Dust Particle Diameter (um)	20≤Dust Particle Diameter≤150
External Dimension (mm)	1300W×1300D×1300H
Power	AC230V±10%, 50HZ, 1/N/PE

Options

- Independent sensors for protection (NE60519-2.1993)
- Entry ports for testing space
- Power outlets for specimens
- Spare parts package
- E-management and cyber-software
- APP for mobility management
- Sand testing medium
- Dust testing medium

Standard Version

- 1 Stainless steel shelf
- 1 Screen sieve