


Sand and Dust Test Chamber

Technical Parameters

Model	DT - F		
Specimens	Flammable, explosive, easy volatile material sample test; Storage of corrosive substance sample test, biological test and strong electromagnetic emission source sample test are prohibited.		
Volume	1000 L		
Inner Dimension	W1000×H1000×D1000 mm		
External Dimension	W1500×H1850×D1400 mm		
Weight	450 kg		
Air Switch	32A		
Power Supply	AC220V 50/60HZ Single Phase Three Lines 6 m ² Copper Wire		
Performance Specification			
Dust Concentration	6000~60000mg/cm ³ Or 2Kg /m ³		
Metal Net Mesh Standard Diameter	50um		
Diameter between Metal Wires	45~50um		
Standard Complied	GB2423.37-2006 IEC 60068-2-68-1994 GB4208-2008/IEC60529:2001enclosure protection GJB150.12-2009 sand and dust test method (dust proof test) GB7000-1-2007Enclosure protection besides chapter 9. GB10485 dust test method and JIS,DIN,MIL etc. equivalent test method		

Chamber Structure	Inner Material : 304# Stainless Steel 1.0mm thickness Outer Material : Cold rolled steel ,1.0mm thickness, and paint coated Control cabinet and testing cabinet are integral Special dust collector
Chamber Door	Single door/Explosion proof handle/Observation Window/Window light/Window dust scraping devices
Observation Window	On the door with dimension 270X360mm
Control Panel	Temperature control, Program control timer, Working indication light, Power switch, Dust blow switch, Dust shaker switch
Mechanical Room	Blowing dust blower, dust blowing outlet
Sample Shelves	Using 304 # stainless steel punching bending mesh, easy operating and the shelves distance adjustable
Power Control Cabinet	Power supply circuit breaker, controller, power distribution panel, cooling fan, over temperature protection, dust shaker motor
Heating System	With scale type heating pipe, P.I.D. Control heating thus achieve temperature balance
Dust Blowing Method	With high speed blower blowing the dust to the test chamber
Dust Shaking Method	With vibration motor recollecting the dust on the inner chamber to the dust collector.
Electrical Control System	
Controller	<p>Imported LCD touch screen temperature controller (Korea TEMI880)</p> <p>Control temperature, dust blowing time, dust float time separately.</p> <p>Dust shake, stop time and cycle time control etc.</p>
	
Program Capacity	<p>Available Program : Max.120 group, one program consist of 1~99 segments</p> <p>Available Memory Capacity: 1200 segments , repeatable:</p>

Communication	RS-232 Communication interface, which can be as monitor or remote control system, testing recorder.
Running Method	Program mode / fixed value mode
Setting Method	Touch screen, English and Chinese language available
Setting Range	$\pm 5^{\circ}\text{C}$ of Max. Temperature
Display Resolution	Temp.: 0.01°C ; Time: 1min;
Power off memory function	Power off recovery mode can be set : hot start/cold start/stop
Preset Start Function	Starting time can be set freely, machine automatically running when time reached after turn on the power.
Curve Recording Function	With battery protection RAM, can save equipment set data, sampling value and sampling time; Max. Recording time 60 days (when the sampling cycle with 1.5min)
Safety Protection Device	
Testing Chamber	Over temperature ,fan/ motor overheating relay.
Power	Electric leakage, overload and short circuit protection
Documents : Technical Parameters,Quality Card,Operating Manual,Warranty Card etc.	







