

Product Information

WT 13 - 500L IEC60529 IP5/6X Dust Test Chamber

**Working principle:**

Centrifugal fan is the main source of dust movement, the high-speed operation of the fan so that dust into the fan due to the centrifugal force of the role of fan blades into the dust pipe dust. The wind speed of the pipeline is usually more than 7.5m / s (too low wind speed will make the dust precipitate in the pipeline will cause the test tube can not work). The dust line was sprayed from above into the test chamber and passed through the sample at a rate of > 2 m / s.

Application: outdoor lamps, household appliances, auto parts and other electronic and electrical products.

Equipment function:

The main function of the equipment is to test the physical and other related properties of the products under the simulated dust climate conditions, such as electronic and electrical products, lamps, cabinets, electrical components, automobiles, motorcycles and their parts. After the test, judge whether the performance of the product meets the requirements through verification, so as to facilitate the design,

improvement, verification and delivery inspection of the product.

Standard :

- IEC60529:1989 +A1:1999 +A2:2013
- GB/T4208-2017 : 13.4, 13.5 and picture 3
- GB7000.1 : 9.2.1,9.2.2 and picture 6.

Features:

1. Suitable for product **IP5X and IP6X dust testing**.
2. The inner box and turntable are all made of SUS304 stainless steel plate.
- 3.The housing is made from Chinese high-quality steel plate.
4. Special silicone seal ring, good elasticity, good durability.
5. The bottom of the device has replaceable dust components that make it easy to replace used dust.
- 6.Built in vibratory device ,it can be operated automatically alternately to prevent dust from sticking to the wall of the box and condensation.
- 7.The observation window is made of tempered glass and built a LED lights for easy observation of internal testing.
8. There is a pumping tube in the box, the sample can be vacuumed (samples need to be reserved for breathing holes).
9. 7 inch touch screen and Panasonic PLC , The system controls the dust blower, dust vibration and test time.
10. Heating system: The circulating dudes is built in a heater to avoid dust condensation.
11. Vacuum system: Pressure gauge, air filter, Pressure regulating FRL, connecting pipe, Vacuum pump .

Technical parameters :

The size outside the water tank	1250*1020*1755 mm (include casters)
The size of the inner box	800*800*800 mm
Wire diameter of metal net	50 um
Wire interval	75 um
Talcum powder dosage	2~4kg/m
Dust for testing	Dry talcum powder
The way to spray dust	Free dust
Total test time	1S-999Hours (adjustable)
Vibration time	1S -999Hours (adjustable)
Timing accuracy	±1S
Vacuum	0—10Kpa (adjustable)
Pumping speed	0-60L/H (adjustable)
This tester chamber voltage	220V, 50Hz
Sample voltage	220V. 50Hz
power	1.5 KW , Fire line+zero line+protective ground line(Resistance<4Ω)

Terms of use :

Environmental requirements	<ul style="list-style-type: none"> ● Ground is flat, drainage is smooth, the ground and walls are waterproof, setting ground leakage or drainage ditches. ● Well ventilated. ● No strong electromagnetic field around. ● No flammable, non-explosive, non-corrosive substances and dust around .
Temperature	5°C ~ 35°C
Humidity	≤85%
Atmospheric pressure	86kPa ~ 106kPa
Power supply conditions	<ul style="list-style-type: none"> ● Install the appropriate capacity of the leakage protection air switch for the device, the switch must be used independently of the device. ● Do not use the knife-switch or power outlet. ● Distance is no more than 2m from the air switch of creepage and equipment .

Accessories:

Dry talcum powder 1 bag (approx. 2KG)

