



Dust Chamber

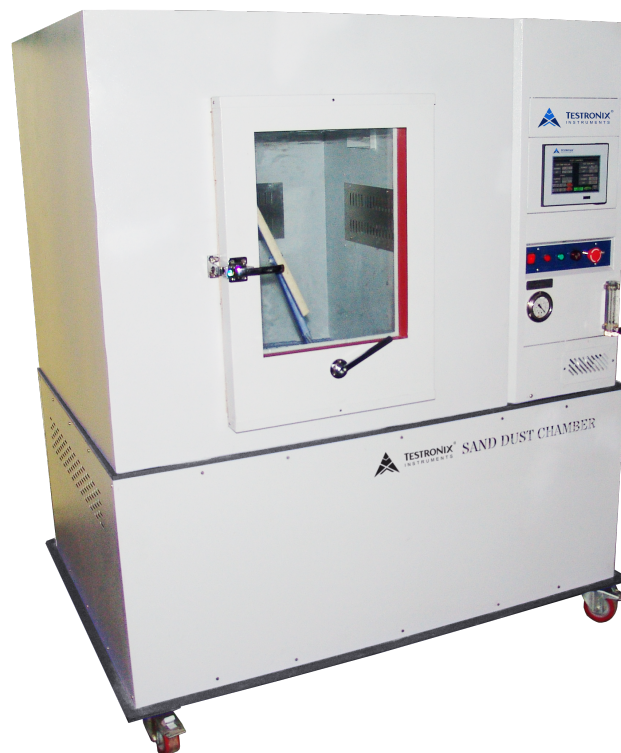
The Testronix Dust Chamber is reliable and efficient testing equipment specifically designed for assessing the dust resistance of various components. Its interior is lined with glass reinforced Fibre Sheet to ensure durability and longevity.

Equipped with high-capacity blowers, the chamber facilitates uniform agitation of dust particles, ensuring accurate and consistent testing results. The airtight construction of the chamber guarantees that no external contaminants interfere with the testing process.

The outer body is constructed using Mild Steel duly Powder coated, providing strength and resistance to wear and tear. With a size of 1200 × 800 × 800 mm (modifiable upon request) and a power consumption of 2 KW, this chamber offers versatility and energy efficiency.

It complies with industry standards. Additionally, the chamber is equipped with castor wheels for easy mobility and features a separate control panel that includes a digital preset timer (with a memory backup of up to 999 hours) and an hour meter for user-friendly controls. The Testronix Dust Chamber is a reliable choice for conducting dust resistance tests accurately and efficiently.

Model No. : TX DC 100





Product Features

- **Chamber Size:** 1200 x 800 x 800 mm (customizable on request)
- **Reinforced inner lining** with GRP (Glass-Reinforced Plastic) sheet for abrasion and chemical resistance
- **HMI with PLC control** for intuitive user interaction and process automation
- **Separate control panel featuring:**
 - Digital preset timer (up to 9999 hours) with memory backup
 - Hour meter for process tracking
- **Airtight construction** to eliminate external contamination
- **Movable design** with industrial-grade castor wheels
- **Standard-compliant testing** for dust ingress per IP standards

Technical Specification

Parameter	Specification
Line Voltage	220V \pm 10%, 50 Hz
Temperature Range	15°C to 45°C
Humidity Range	45% to 75% RH
Chamber Dimensions	1200 x 800 x 800 mm (modifiable on request)
Power Consumption	Max. 3000 VA
Heater Capacity	150 W
Depression Turbine Power	1100 VA
Dust Circulation Turbine	1100 VA
Air Flow Totalizer 1	0.06 - 10 m ³ /h \pm 3% (0.06-0.12), \pm 2%(>0.12)
Air Flow Totalizer 2	0.016 - 6 m ³ /h \pm 3%
Depression Sensor	Control 694.917015010 (0-50 mbar = 4-20 mA)
Max. Permissible Pressure	200 mbar
Timer	range.0 -9999 hours