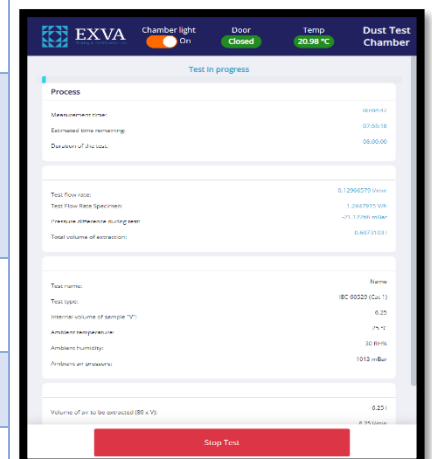
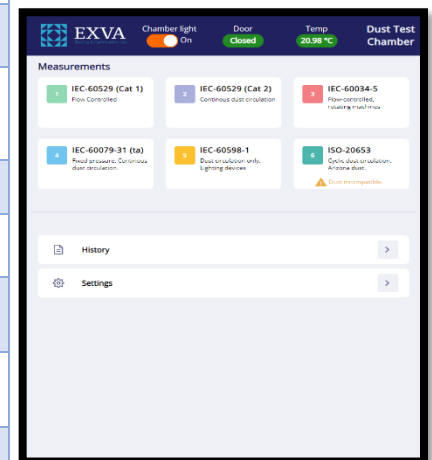


Dust Test Chamber for IP 5X & 6X (IP5KX & IP6KX)

FOR ELECTRICAL PRODUCTS, ROTATING MACHINERY, LUMINAIRES, ELECTRICAL COMPONENTS FOR AUTOMOTIVE AND EXPLOSION PROOF EQUIPMENT.

EN/IEC 60529; EN/IEC 60034-5; EN/IEC 60598-1; ISO 20653; EN/IEC 60079-31;

MAIN SPECIFICATIONS:	
Design	Compact design
Electrical supply	3-phase, 400V, 50Hz
Dust test chamber volume	≈ 2,2 m ³
Interior chamber size	1300*1300*1300 mm (W x D x H)
Exterior equipment size	1900*1400*2400 mm (W x D x H)
Chamber housing material	Powder coated steel
Internal testing chamber material	Polished stainless steel
Door size	1500*1430*60 mm (W x H x D)
Door lock	Electro mechanical with safety key
Observing window	Tempered glass observing window 6 mm with mechanical dust wiper
Observing window size	700*700 mm
Mesh sample shelf	Stainless steel # 304 Loading capacity 100 kg
Amount of powder used in the test chamber	2 kg / m ³
Internal testing chamber controlled temperature range	≤ 40 C°
Internal temperature sensor	NTC 10K type
Powder and test chamber heating system	Electric heat radiator 2000 W
Vacuum system	- Vacuum pump with cast aluminium housing - High performance proportional and air-flow meter system with digital <i>Calculation-Controll</i> system
Dust circulation turbine mechanical parameters	- Multi - blade centrifugal fan with low noise - metal casting housing
Dust circulation turbine electrical parameters	- 3-phase, 400V, 50Hz , 370 W - 15.000 h lifespan (continous)
Dust vibration control	- 3-phase, 380V, 50Hz vibration



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	<ul style="list-style-type: none"> motor with sequential vibration setting option
Integrated safety protection devices	<ul style="list-style-type: none"> - Phase sequence protection - Motor overcurrent protection - Power failure outage indication and logging - Emergency switch with status indicator - Prohibition of test with open door
Display and control system	<ul style="list-style-type: none"> - 15.6" touch AIO PC - Windows 10 x64 bit IOT enterprise - Industrial Siemens PLC control
Main test features	<ul style="list-style-type: none"> - Easy to use graphical interface - Automatic test duration calculation according to the standard after the test sample size is inserted - Test sample leakage pretest possibility - Log file registration during the test period - xml. log file output - Automatic monitoring of the used dust
Electrical input parameters to the sample during testing	<ul style="list-style-type: none"> - 4 poles 250 V DC max 40 A - 4 poles 600 V AC max 40 A
Standards used for tests	<ul style="list-style-type: none"> - Electrical products EN/IEC 60529; - Rotating machinery EN/IEC 60034-5 - Luminaires EN/IEC 60598-1 - Automotive ISO 20653 ISO 12103-1 (<i>Arizona Dust</i>) - Explosion proof equipments EN/IEC 60079-31

