

IPX1-2 Vertical Drop Rain Test

1、 Box Type



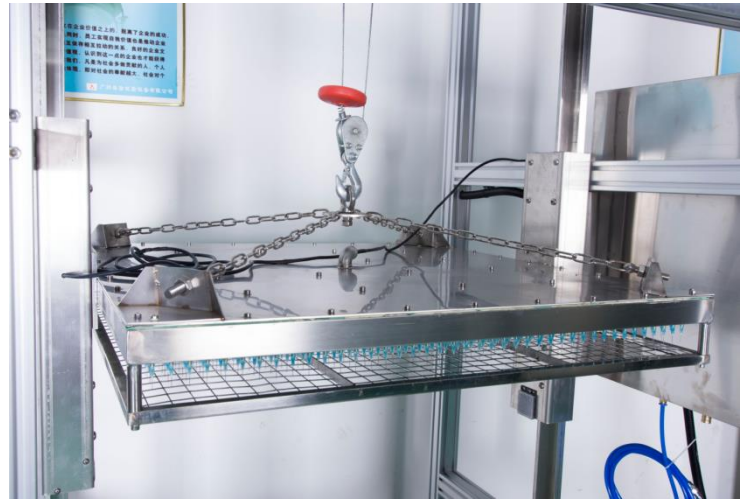
Outside



Inside

Model	UP-6198-FS12B-600	
	Used to test the IPX1, IPX2 waterproof level of the product	
Specifications	External size	About L1250*D1020*H1750mm
	Inner size	L800*D800*H1000mm
	Drip board size	600*600mm
	Turntable diameter	Φ 600 mm
	Turntable height	400-700 mm
	Drip aperture	Φ 0.4mm
	Distance between drip holes	20*20 mm
	Rainfall	IPX1=1mm/min (+0.5mm/min) ; IPX2=3mm/min (+0.5mm/min)
	Flow adjustment method	Manual adjustment
	Drop rain board lifting method	Not liftable (fixed)
	Turntable load-bearing	50KG
	Turntable tilt	0°Or 15° (horizontal direction)
	Turntable speed	1 r/min (IPX1) , Can be set
	Testing time	0-999 min
	Safety protection Device	Leakage protection, water shortage protection, short circuit protection
	Power supply	220V, 50Hz
	Sample load power supply	220V, 50Hz
Power	1.0kw	

2、 Column type



Model	UP-6198-FS12A-1000	
	Used to test the IPX1, IPX2 waterproof level of the product	
Specifications	External size	About L1500*D1200*H2360mm
	Inner size	1000*1000mm
	Drip board size	Φ 600 mm
	Turntable diameter	Φ 0.4mm
	Turntable height	20*20 mm
	Drip aperture	600mm
	Distance between drip holes	IPX1=1mm/min (+0.5mm/min) ; IPX2=3mm/min (+0.5mm/min)
	Rainfall	Manual adjustment
	Flow adjustment method	800—1800mm Adjustable
	Drop rain board lifting method	Not liftable (fixed)
	Turntable load-bearing	50KG
	Turntable tilt	0°Or 15° (horizontal direction)
	Turntable speed	1 r/min (IPX1) , Can be set
	Testing time	0-999 min
	Safety protection Device	Leakage protection, water shortage protection, short circuit protection
	Power supply	220V, 50Hz
Power	1.0 kw	
	Molded aluminum	

3、 Wall-mounted



Operation interface(Chinese or English)

Model	YX-FS12C-1000	
	Used to test the IPX1, IPX2 waterproof level of the product	
Specifications	External size	约长 1230*进深 1340*高 2420mm
	Inner size	1000*1000mm
	Drip board size	1 r/min (IPX1) , Can be set
	Turntable diameter	Φ 0.4mm
	Turntable height	20*20 mm
	Drip aperture	Φ 600 mm
	Distance between drip holes	600mm
	Rainfall	IPX1=1mm/min (+0.5mm/min) ; IPX2=3mm/min (+0.5mm/min)
	Flow adjustment method	Manual adjustment
	Drop rain board lifting method	800—1800mm Adjustable
	Turntable load-bearing	Not liftable (fixed)
	Turntable tilt	50KG
	Turntable speed	0°Or 15° (horizontal direction)
	Testing time	0-999 min Can be set
	Safety protection Device	Leakage protection, short circuit protection
	Power supply	220V, 50Hz
Power	1.0 kw	

IPX3-4 Swing Tube Rain Test

1、 Box Type



Outside



Inside

Model	UP-6198-FS34B-R400	
	Used to test the IPX3 and IPX4 waterproof level of the product	
Specifications	External size	L1350*D1120*H1770mm
	Inner size	L900*D900*H900mm
	Pendulum tube size	R400mm
	Sample turntable diameter	∅ 400mm
	flow	IPX3=1.1L/min±5%; IPX4=1.8L/min±5%
	Turntable height range	350-600mm
	Spray hole size	∅ 0.4mm
	Pendulum tube inner diameter	15mm
	Maximum load-bearing capacity of turntable	50kg
	Turntable rotation speed	1-5r/min(Precisely adjustable)
	Turntable rotation method	Forward rotation/forward&reverse rotation alternately
	Swing tube angle	120° (IPX3) 、 350° (IPX4)
	Swing speed of pendulum tube	240°back and forth 4S、 720°back and forth 12S (Precise control)
	power supply	220V, 50Hz
	Test sample power	220V, 50Hz
	power	1.0KW
Safety protection function	Leakage protection, water shortage protection, short circuit protection	

2、Open Type



Model	UP-6198-FS34C-R1000	
	Used to test the IPX3 and IPX4 waterproof level of the product	
Specifications	Size (in working)	L2850*D2020*H2350mm
	Pendulum tube size	R1000mm
	Sample turntable diameter	Φ 800mm
	flow	IPX3=2.9L/min±5%; IPX4=4.3L/min±5%
	Turntable height range	1300-1700mm
	Spray hole size	Φ 0.4mm
	Pendulum tube inner diameter	15mm
	Maximum load-bearing capacity of turntable	50kg
	Turntable rotation speed	1-5r/min(Precisely adjustable)
	Turntable rotation method	Forward rotation/forward&reverse rotation alternately
	Swing tube angle	120° (IPX3) 、 350° (IPX4)
	Swing speed of pendulum tube	240°back and forth 4S、 720°back and forth 12S (Precise control)
	Power supply	220V, 50Hz
	Test sample power	220V, 50Hz
	Power	1.0KW
Safety protection function	Leakage protection, water shortage protection, short circuit protection	

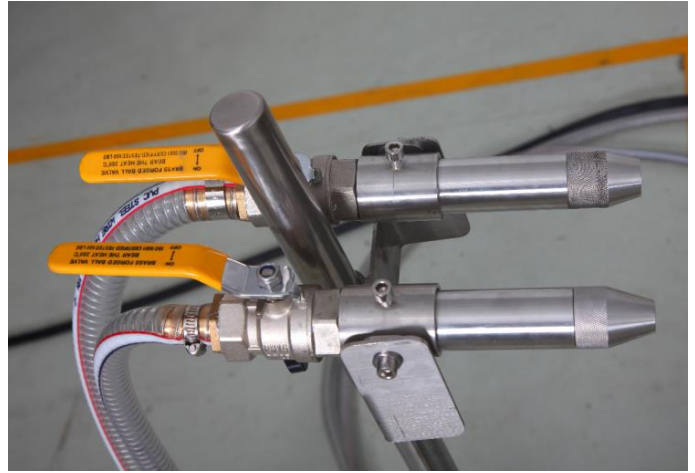
3、 Rain shower test device



Model	UP-6198-FS34A	
	Used to test the IPX3 and IPX4 waterproof level of the product	
Specifications	External Size	About L380*W130*H150mm
	Flow display	None
	Brass nozzle size	Ø 102mm
	Number of spray holes	121 ↑
	Water jet aperture size	Ø 0.5mm
	Hole position	Inside 2 circles 12 holes/circle, spacing 30°
	Outer diameter of water inlet	Inside 4 circles 24 holes/circle, spacing 15°
	Outer diameter of stainless steel water pipe	Ø 18mm
	Water flow	Ø 28mm
	Flow adjustment method	10L/min±5%
	Water pressure range	Manual adjustment
	External dimensions	50—150Kpa

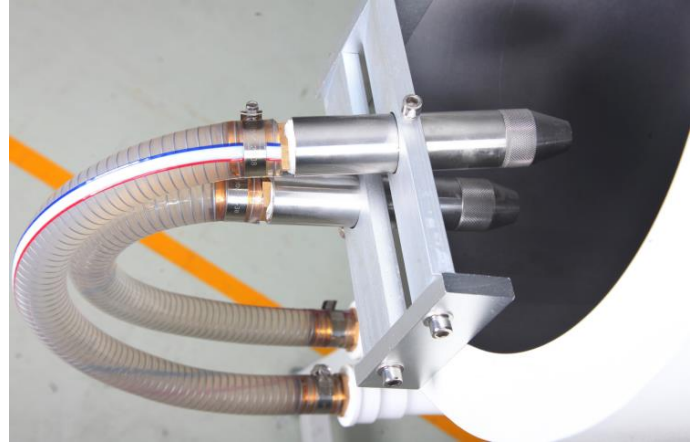
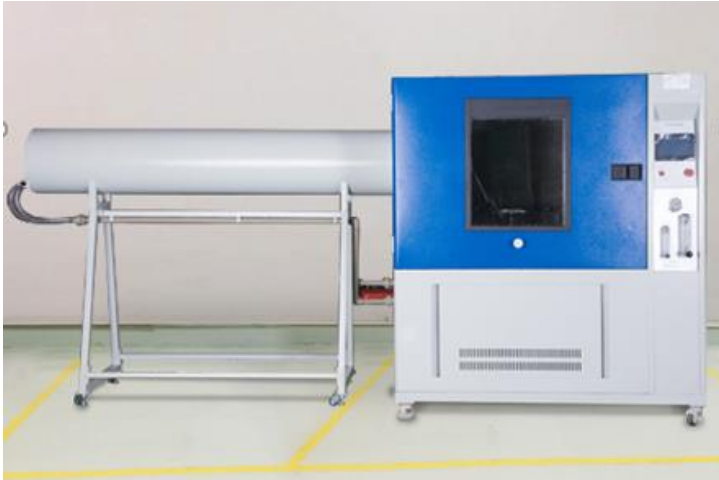
IPX5-6Water spray test

1、Open Type



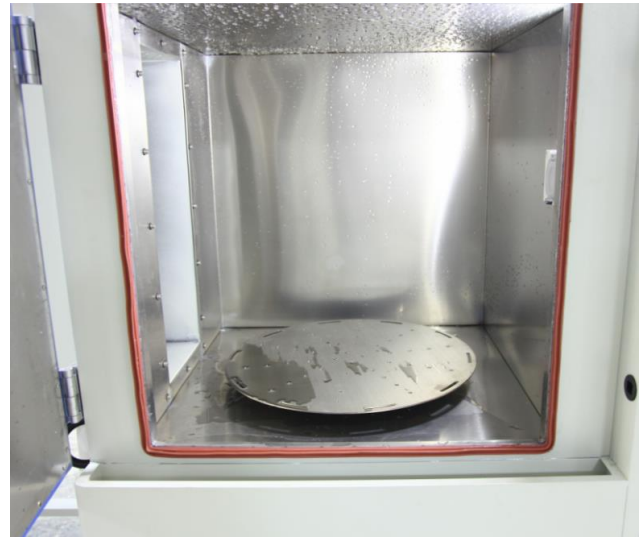
Model	UP-6198-FS56AS	
	Used to test the IPX5 and IPX6 waterproof level of the product	
Specifications	External Size	L1100*D900*H1300 (With casters)
	Turntable size	L600*W600*H600mm (With casters)
	Storage tank volume	550L, 尺寸约 800×600×1145(mm)
	Sample turntable size	Φ 600mm
	IPX5 water jet aperture	Φ 6.3mm
	IPX6 water jet aperture	Φ 12.5mm
	IPX5 spray water flow	12.5±5% (L/min)
	IPX6 spray water flow	100±5% (L/min)
	Flow control method	Manual adjustment (rotor flowmeter)
	Spray distance	2.5-3 米 (Controlled by the operator)
	Fixing method of spray gun	Hand-held spray gun (can be equipped with spray gun bracket)
	Maximum load-bearing capacity of turntable	50KG
	Lifting range of turntable	Not liftable (fixed)
	Water spray method	One-time spray water, not recyclable
	Control System	(Touch type) 7 inch touch screen +PLC
	Power supply	380V, 50Hz
Test sample power	220V, 50Hz	
Power	3.0KW	
Safety protection function	Leakage protection, water shortage protection, short circuit protection	

2、Box Type (Spray gun fixed point spray)



Model	UP-6198-FS56B-1000L	
	Used to test the IPX5 and IPX6 waterproof level of the product	
Specifications	External size	L3700*D1190*H1820mm (include aqueduct)
	Inner size	L1000*D1000*H1000mm
	Sample turntable size	∅ 600mm
	IPX5 water jet aperture	∅ 6.3mm
	IPX6 water jet aperture	∅ 12.5mm
	IPX5 spray water flow	12.5±0.625 (L/min)
	IPX6 spray water flow	100±5 (L/min)
	Flow control method	Manual adjustment (rotor flowmeter)
	Spray distance	2.7 米 (The distance from the nozzle to the center of the turntable)
	Fixing method of spray gun	Mechanical fixation (the angle of spray gun can be adjusted manually)
	Maximum load-bearing capacity of turntable	50KG
	Lifting range of turntable	Not liftable (fixed)
	Water spray method	Recyclable
	Control System	(Touch type) 7 inch touch screen + PLC
	Power supply	380V, 50Hz
	Test sample power	220V, 50Hz
Power	3.0KW	
Safety protection function	Leakage protection, water shortage protection, short circuit protection	

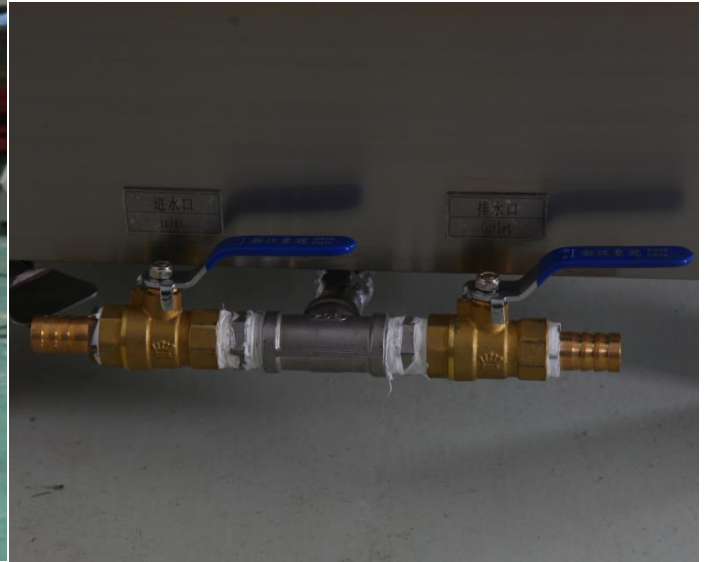
3、Box Type (Automatic swing type)



Model	UP-6198-FS56BS-1000L	
	Used to test the IPX5 and IPX6 waterproof level of the product	
Specifications	External size	L4040*D1220*H1820mm (include aqueduct)
	Inner size	L1000*D1000*H1000mm
	Sample turntable size	∅ 600mm
	IPX5 water jet aperture	∅ 6.3mm
	IPX6 water jet aperture	∅ 12.5mm
	IPX5 spray water flow	12.5±0.625 (L/min)
	IPX6 spray water flow	100±5 (L/min)
	Flow control method	Manual adjustment (rotor flowmeter)
	Spray distance	2.7 米 (The distance from the nozzle to the center of the turntable)
	Fixing method of spray gun	Mechanical fixation (program setting, adjustment of spray gun angle)
	Maximum load-bearing capacity of turntable	50KG
	Lifting range of turntable	Not liftable (fixed)
	Water spray method	Circulating water spray
	Control System	(Touch type) 7 inch touch screen + PLC
	Power supply	380V, 50Hz
	Test sample power	220V, 50Hz
Power	3.0KW	
Safety protection function	Leakage protection, water shortage protection, short circuit protection	

IPX7/8 Water Immersion Test

1、IPX7 Water Immersion



Model	UP-6198-FS7B-1200L	
	Used to test the IPX7 waterproof level of the product	
Specifications	External dimensions	1170*1100*1360mm (include aqueduct)
	Inner dimension	1000*1000*1200mm
	Maximum test water depth	1.2 M
	Inner box thickness	1.5mm
	Perspective viewing window	Tempered glass (thickness: 12mm)
	Observation window width	200mm
	Water level adjustment method	Inlet/drain valve, manual adjustment
	Water level display	Stainless steel ruler (accuracy 1mm), horizontal visual inspection
	Rack material	Stainless steel square pass

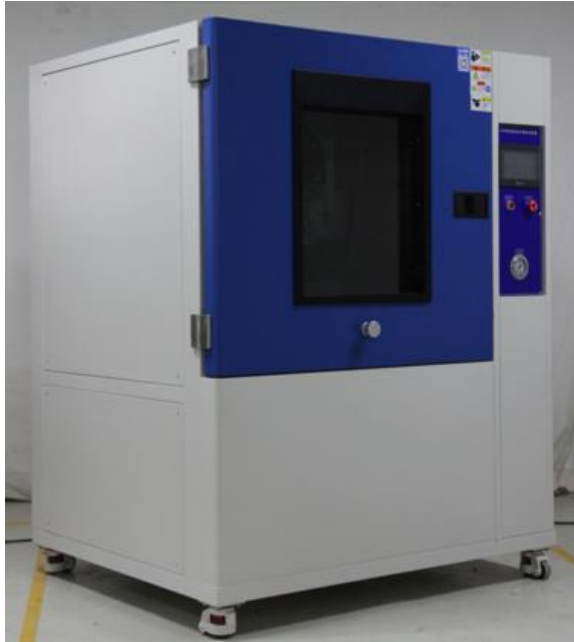
2、IPX8 Pressure Immersion



Model	UP-6198-FS8-30A-250L	
	Used to test the IPX8 waterproof level of the product	
Specifications	External size	About 685*765*1700mm
	Inner size	Φ 500*1200mm
	Tank wall thickness	3mm
	Tank material	stainless steel
	Flange thickness	20mm
	Flange material	stainless steel
	equipment weight	About 120KG
	Can lid opening method	Cylinder lift
	Pressure control method	Automatic adjustment
	Pressure sensor display accuracy	0.001Mpa
	Sensor error range in the eyes	±0.002Mpa
	Test depth range	0-30M
	Pressure adjustment range	0.00—0.3Mpa
	Exhaust pressure of safety valve	0.35Mpa
	Maximum ultimate pressure	0.4Mpa
	Test time setting range	0-999 min
	Protective device	Pressure safety valve protection, leakage switch protection
	Air intake adjustment method	Manually adjust the pressure regulator
Voltage	220V,50Hz	
Power	100W	

IPX9 High Temperature & High Pressure Spray

Box Type



Model	UP-6198-FS9K-1000L	
	Used to test the IPX9 waterproof level of the product	
Specifications	External size	About L1450*D1230*H1820 mm
	Inner size	L1000*D1000*H1000 mm
	Number of nozzles	4 个
	Orifice angle	0°、30°、60°、90° (Vertical direction)
	Nozzle distance	100-200mm (Can be adjusted manually)
	Sample turntable diameter	∅ 400mm
	Turntable lifting method	manual adjustment
	Water spray flow	14~16L/min
	Spray water temperature	RT (25℃) ; 80±5℃ (Deviation temperature can be negotiated)
	Water spray pressure	8000~10000 Kpa
	Water jet impact	0.9~1.2N (Force calibration system)
	Turntable load-bearing	50KG
	Turntable rotation speed	1~10 r/min(Can be set)
	Test time	120S (each location 30S)
	Power supply	380V, 50Hz
	Test sample power	220V, 50Hz
Power	18.0KW	
Safety protection function	Leakage protection, water shortage protection, short circuit protection	

Comprehensive Rain Test

1、IPX1-4 Comprehensive Waterproof Test Box



Model	UP-6198-FS14B-R400	
	Used to test the four waterproof levels of IPX1, IPX2, IPX3, and IPX4 of the product	
Specifications	Inner size	L900*D900*H1050mm
	External size	About L1350*D1120*H 1770mm
	Turntable diameter	∅ 400mm
	Maximum load-bearing capacity of turntable	50KG
	Lifting height of turntable	450-750 mm
	Turntable can be tilted	0° or 15° (horizontal direction)
	Turntable speed	1 -5r/min (precisely adjustable)
	Turntable rotation method	Always forward / Forward and reverse alternately / Intermittent rotation
	Testing time	0-999 min
	Total mass of equipment	230kg
IPX12 Part of Specifications	Area of dripboard	600*600mm
	IPX12 nozzle size	∅ 0.4mm
	Distance between drip holes	20*20 mm
	Rainfall	IPX1=1mm/min; IPX2=3mm/min
	Flow adjustment method	Manual adjustment
	Drop rain board lifting method	Not liftable (fixed)
IPX34/4K Part of Specifications	Pendulum tube radius size	R400mm
	Swing pipe flow	IPX3=1.1L/min±5%

		IPX4=1.8L/min±5%
	Water jet aperture size	0.4mm (IPX3 / IPX4) ; 0.8mm (IPX4K)
	Water jet aperture spacing	50mm
	Pendulum tube inner diameter	15mm
	Swing tube angle	120° (IPX3) 、 350° (IPX4)
	Swing speed of pendulum tube	240°back and forth 4S, 720°back and forth 12S (precise control)
Electrical Specifications	Power supply	220V, 50Hz
	Test sample power	220V, 50Hz
	Power	1.0KW
	Safety protection function	Leakage protection, water shortage protection, short circuit protection

2、IPX3-6 Comprehensive Waterproof Test Box



Model	UP-6198-FS36BS-R400	
	Used to test the four waterproof grades of IPX3, IPX4, IPX5, and IPX6 of the product	
Specifications	Inner size	L900*D900*H900mm
	External size	L1350*D3400*H1755mm
	Turntable diameter	∅ 400mm
	Maximum load-bearing capacity of turntable	50KG
	Lifting height of turntable	400-700 mm
	Turntable speed	1 -5r/min (Precisely adjustable)
	Turntable rotation method	Always forward / forward and reverse alternately

	Flow adjustment method	Use flowmeter with adjustment panel to realize manual adjustment of flow
	testing time	0-999 min
	Total mass of equipment	About 300kg
IPX3-4K Specifications	Pendulum tube radius size	R400m
	Swing pipe flow	IPX3=1.1L/min±5%; IPX4=1.8L/min±5%
	Water jet aperture size	0.4mm
	Water jet aperture spacing	50mm
	Pendulum tube inner diameter	15mm
	Swing tube angle	120° (IPX3) 、 350° (IPX4)
	Swing speed of pendulum tube	240°back and forth 4S, 720°back and forth 12S (precise control)
IPX5-6K Specifications	IPX5 water jet aperture	6.3mm
	IPX6 water jet aperture	12.5mm
	IPX5 spray water flow	12.5±0.625L/min
	IPX6 spray water flow	100±5L/min
	Water pressure (Mpa)	Adjust according to the specified water flow
	Spray distance	2.5m (distance from nozzle to center of turntable)
	Fixing method of spray gun	Mechanical fixation
	Spray gun swing mode	Swing up and down (angle and speed adjustable)
Electrical Specifications	Power supply	380V, 50Hz
	Test sample power	220V, 50Hz
	Power	3.0KW
	Safety protection function	Leakage protection, water shortage protection, short circuit protection

3、IPX1-6 Comprehensive Waterproof Test Box



Model	UP-6198-FS16BS-R400	
	Used to test the six waterproof grades of IPX1, IPX2, IPX3, IPX4, IPX5, and IPX6	
Specifications	Inner size	L900*D900*H 1050mm
	External size	L1350*D3700*H1920mm
	Turntable diameter	∅ 400mm
	Maximum load-bearing capacity of turntable	50KG
	Lifting height of turntable	500-800 mm
	Turntable can be tilted	0° or 15° (horizontal direction)
	Turntable speed	1 -5r/min (precisely adjustable)
	Turntable rotation method	Always forward / Forward and reverse alternately / Intermittent rotation
	Flow adjustment method	Use flowmeter with adjustment panel to realize manual adjustment of flow
	testing time	0-999 min
	Total mass of equipment	250kg
IPX12 Specifications	Area of dripboard	600*600mm
	IPX12 nozzle size	∅ 0.4mm
	Distance between drip holes	20*20 mm
	Rainfall	IPX1=1mm/min; IPX2=3mm/min
	Drop rain board lifting method	Not liftable (fixed)
IPX34 Specifications	Pendulum tube radius size	R400mm
	R400 swing pipe flow	IPX3=1.1L/min±5%; IPX4=1.8L/min±5%
	Water jet aperture size	0.4mm
	Water jet aperture spacing	50mm

	Pendulum tube inner diameter	15mm
	Swing tube angle	120° (IPX3) 、 350° (IPX4)
	Swing speed of pendulum tube	240°back and forth 4S, 720°back and forth 12S (precise control)
IPX56 Specifications	IPX5 water jet aperture	6.3mm
	IPX6 water jet aperture	12.5mm
	IPX5 spray water flow	12.5±0.625L/min
	IPX6 spray water flow	100±5L/min
	Water pressure (Mpa)	Adjust according to the specified water flow
	Spray distance	2.5m (distance from nozzle to center of turntable)
	Fixing method of spray gun	Mechanical fixation (program setting, adjustment of spray gun angle)
Electronic Specifications	Power supply	380V, 50Hz
	Test sample power	220V, 50Hz
	Power	3.0KW
	Safety protection function	Leakage protection, water shortage protection, short circuit protection