

IEC60529 Waterproof Test Equipment (Brochure)

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EMC&EMI Test System: http://www.pegotester.com/products/EMC_EMI

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IPX1 and IPX2 Drip Box

1. Introduction:

Drop Box is designed according to IEC60529-2001 regarding the second characteristic numerals 1 and 2. Waterproof test simulates the condition of raining, which is mainly applied to electronic products, luminaire, electric components, motor and house-holding appliance. The waterproof test can help to judge the products' performance, and provide the basis for design, improve and inspect.



2. Parameter:

Model	IPX12A-200	IPX12A-600	IPX12-B-800	IPX12-B-1000	IPX12-C-800	IPX12-C-1000
Type	Box type		Frame type		Wall-hung type	
Drip board area(mm)	200*200	600*600	800*800	1000*1000	800*800	1000*1000
Pitch-row(mm)	20		20		20	
Aperture of drop (mm)	0.4		0.4		0.4	
Turntable diameter(mm)	200	600	400	600	400	600
Product under test (max)	20*20(cm)	60*60(cm)	50KG	50KG	50KG	50KG
Turntable speed	1r/min		1-10r/min		1-10r/min	
Turntable angle	0° or 15° adjustable		0° or 15° adjustable		0° or 15° adjustable	
Delivery rate	Manual(IPX1:1±0.5mm/min, IPX2: 3±0.5mm/min)					
Test time (min)	0-999 (adjustable)					
Interior dimension(cm)	35*35*80	75*75*120	/		/	
Outer dimension(cm)	55*43*123	95*83*163	/		/	

IPX3 and IPX4 Oscillating Tube

Introduction:

Oscillating tube is designed according to IEC60529-2001 regarding the second characteristic numerals 3 and 4. Waterproof test simulates the condition of raining, which is mainly applied to electronic products, luminaire, electric

components, motor and house-holding appliance. The waterproof test can help to judge the products' performance, and provide the basis for design, improve and inspect.



Parameter:

Model	IPX34-800	IPX34-1200	IPX34-1600	IPX34-200	IPX34-400	IPX34-600
Type	Frame type			Box type		
Tube radius (mm)	R800	R1200	R1600	R200	R400	R600
Speed	Back and forth at 120 ⁰ : 4s; back and forth at 360 ⁰ :12s					
Delivery rate(L/mm)	0.5-10 (adjustable)			0.5-10 (adjustable)		
Aperture of drop (mm)	0.4			0.4		
Tube angle	±60 ⁰ , ±180 ⁰			±60 ⁰ , ±180 ⁰		
Testbed dimension(mm)	600	800	1200	200	400	600
Product under test(max)	600	800	1200	100*100*100	300*300*300	500*500*500
Turntable speed (r/min)	1-5 (adjustable)			1-17 (adjustable)		
Turntable height (mm)	950-1550	1000-1700	1200-2000	100	300	500
Interior dimension(cm)	/			50*50*50	90*90*90	120*120*120
Outer dimension(cm)	/			100*68*144	134*108*176	174*148*195

IPX5 and IPX6 6.3mm/12.5mm nozzle

Introduction:

6.3mm and 12.5mm nozzle are designed according to IEC60529-2001 regarding the second characteristic numerals 5 and 6. Waterproof test simulates the condition of raining, which is mainly applied to electronic products, luminaire,

electric components, motor and house-holding appliance. The waterproof test can help to judge the products' performance, and provide the basis for design, improve and inspect.



Model	IPX56A	IPX56B
Internal diameter of the nozzle (mm)	6.3 (IPX5), 12.5 (IPX6)	
Delivery rate (L/min)	12.5±0.625 (IPX5), 100±5 (IPX6)	
Turntable diameter (mm)	600	600
Distance between nozzle and test object	2.5-3m	
Nozzle fixed type	Manual	mechanical
Product under test (max)	50KG	60cm*60cm*60cm
Water tank(cm)	420L, 70*50*120	
Outer dimension(cm)	103*78*135	360*118*185
Power	380V	380V

IPX7 Temporary Immersion Tank

Introduction:

Temporary Immersion Tank is designed according to IEC60529-2001 regarding the second characteristic numerals 7. Waterproof test simulates the condition of raining, which is mainly applied to electronic products, luminaire, electric components, motor and house-holding appliance. The waterproof test can help to judge the products' performance, and provide the basis for design, improve and inspect. The distance from the bottom of sample under test to water surface should be 1m at least, the distance from top of sample to water surface should be 0.15m at least, and duration of the test is 30 min.



Model	IPX7-A	IPX7-B	IPX7-C	IPX7-D	IPX7E
Interior dimension(cm)	80*80*80	120*120*150	30*30*30	80*50*150	60*60*150
Outer dimension(cm)	86*86*180	128*128*165	38*38*135	88*58*165	66*66*180
Water depth (m)	1.5	1.5	1.5	1.5	1.5
Product under test (max)	78*78*134cm	118*118*134cm	28*28*104cm	78*48*134	58*58*134
Material	stainless	stainless	stainless	stainless	stainless

IPX8 Continuous Immersion Tank

Introduction:

IPX8 continuous immersion tank is designed according to IEC60529-2001 regarding the second characteristic numerals 8. Waterproof test simulates the condition of raining, which is mainly applied to electronic products, luminaire, electric components, motor and house-holding appliance. The waterproof test can help to judge the products' performance, and provide the basis for design, improve and inspect. IP8X test is subject to the agreement between user and manufacturer, the test simulates the condition under 0 to 50m below the water.



Model	IPX8-A	IPX8-B	IPX8-C	IPX8-D	IPX8E
Outer dimension(cm)	60*78*155	60*78*155	60*78*175	60*78*175	70*88*175
Diameter(cm)	50	50	50	50	60
Height(cm)	50	50	120	120	120
Thickness (mm)	4	5	4	5	5
Pressure range	0-0.3Pa	0-0.5Pa	0-0.3Pa	0-0.5Pa	0-0.3Pa
Max pressure	0.4Pa	0.6Pa	0.4Pa	0.6Pa	0.4Pa
Test time	0-999min	0-999min	0-999min	0-999min	
Power	220V, 100W	220V, 100W	220V, 100W	220V, 100W	220V, 100W
Water depth test range	0-30m	0-50m	0-30m	0-50m	0-30m