

Water Resistance Test Chamber

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LABEC

LABEC Water Resistance Test Chamber

is used to test automobile and motorcycle spare parts, such as car rearview mirror, car audio, automotive electronics, automotive lighting, automotive lamps, motorcycle lamps, motorcycle rearview mirror; Electrical and electronic products, watches, hardware, outdoor lighting, electronic communication, locomotives, instrumentation, aerospace and waterproof strip industries. Interior testing chamber can be custom made according to customers' special applications.

Features include:

- Water testing standards based on IEC 60529IP code.
- Testing chamber according to IPX1-IPX9 or customers' products characteristics.
- High sensitivity, can detect any accident and start alarm in the shortest time to ensure operator and chamber safety.
- Adopts brushless DC motor, no start spark.
- Apply PID + PWM control method, precisely control water flow.
- Exterior material is SUS#304 stainless steel plate with baking paint, nice appearance and good corrosion resistance.



Take IEC60529 / GB4208-2008-2008 as an example:

IPX1, IPX2 apply negative pressure suction device, ensure operator is not water droplets, improving guarantee.

IPX3, IPX4 swing pipe adopts stepper motor drive, angle precision, velocity can be set and adjusted, each nozzle with rotary center radiation, testing is completed automatically by compressed air and clean water.

IPX5, IPX6 original nozzle with an angle adjustable device.

IPX7, IPX8 automatic descending and ascending water level function.

IPX9K adopts high pressure pump, spraying style heating device.



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Model	Q-WRT-1000					
Applications	Electrical and electronic products					
Exterior Dimension	2000 x 1200 x 2090mm (W x D x H)					
Interior Dimension	1000 x 1000 x 1000 mm (W x D x H)					
Test Items	IPX1	IPX2	IPX3	IPX4	IPX5	IPX6
	Water Spray Area		Swing Tube Diameter: 40cm		Nozzle Diameter Φ	
	80 x 80cm		1sec at 60°	3sec at 180°	6.3mm	12.5mm
Water Flow	1.0 \pm 0.50 mm/min	3.0 \pm 0.50 mm/min	N*0.07L/min		12.5L/min	100L/min
			Micro-pore N=16	Micro-pore N=25		
Test Stage	ϕ 300mm \times (1-5) r.p.m					
Test Time	0 ~ 999.9 min					
Water Supply	Tap Water					
Executive Standard	IEC 60529 / GB4208-2008					
Instructions	The test of which second bit of code is 5 and 6, the distance from the nozzle test article is 2.5~3.0 m; water sprayed to the test article from a tank outside; sprinklers is outside the box with a special shelf fixed, waterproof acrylic board is around the water column.					



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