



**Presto Stantest Pvt. Ltd.**

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## IPX1 & IPX2 Rain (Drip) Test Chamber



The Presto IPX1 & IPX2 Rain (Drip) Test Chamber is designed to evaluate the resistance of electrical and electronic enclosures against vertically falling water drops and inclined dripping conditions, in compliance with IEC 60529 standards.

The system accurately simulates IPX1 (vertical dripping water) and IPX2 (dripping water with enclosure tilted at 15°) conditions using a calibrated drip mechanism over a defined test area. The integrated turntable system with controlled eccentricity ensures uniform exposure of the specimen to water droplets, closely replicating real-world environmental conditions.

With a robust structure and precise flow control, the chamber is suitable for testing a wide range of products including electrical enclosures, lighting systems, automotive components, and consumer electronics.

### Features

- Dual testing capability for IPX1 and IPX2 in a single system
- Precision-controlled drip water simulation system
- Motorized turntable for IPX1 testing (1 rpm rotation)
- Eccentric mounting arrangement (~100 mm offset) for uniform exposure

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- Fixed tilted platform (15°) for IPX2 testing with 4 test positions
- Large drip area ensuring full specimen coverage
- Uniform water distribution across entire test area
- Sturdy and corrosion-resistant construction
- Easy operation with consistent and repeatable test results
- Designed strictly as per IEC 60529 requirements

### Technical Specifications

Parameter	Specification
Test Standard	IEC 60529 (IPX1 & IPX2)
IPX1 Test Condition	Vertical water dripping
Turntable Speed (IPX1)	1 rpm
Eccentricity	~100 mm (between turntable axis & specimen axis)
Water Flow Rate (IPX1)	1 mm/min
Test Duration (IPX1)	10 minutes
IPX2 Test Condition	Dripping water with 15° tilt
Tilt Positions (IPX2)	4 fixed positions
Rotation (IPX2)	No rotation
Water Flow Rate (IPX2)	3 mm/min
Duration per ηηη (IPX2)	2.5 minutes per position
Construction	Corrosion-resistant material
Application	Electrical enclosures, lighting, automotive parts, electronics

