

Rain Test Chamber LD-LRTC-A10

Labodam Equipment Ltd.

info@labodam.com | www.labodam.com

Rain Test Chamber LD-LRTC-A10

Overview

Rain Test Chamber is designed to evaluate products for water resistance by simulating high-pressure water exposure. It includes a water recirculation system to minimize consumption, a rotating turntable, and an automatic water supply. This Chamber is equipped with adjustable spray nozzles (IPX5 and IPX6), a user-friendly programmable LCD controller and robust safety protections. The system features an automatic water inlet and a filtration process that removes impurities as small as 0.03 mm, ensuring smooth operation of the spray system.

Features:

- Durable 304 stainless steel construction for extended reliability
- Double-layer insulated observation window with a built-in wiper for clear, unobstructed monitoring during tests
- Provides a consistent water flow for continuous and automatic operation
- LCD touchscreen with Ethernet connectivity for easy operation and remote control
- Equipped with over-temperature, over-current, water shortage, earth leakage, and phase sequence protections for safe operation
- Ensures even water spray distribution over the product's surface (adjustable speed: 0 – 7 rpm)
- Waterproof power connector in the test room which can easily supply electricity to the specimens

Applications:

It's used in industries like automotive, electronics, military, construction, and consumer goods to ensure products can withstand water without damage.

Specifications:

Casters	YES
Controller	Programmable colour LCD touch screen controller, Ethernet connection
Interior Volume	510 L
Exterior Material	Steel Plate with protective coating
Interior Material	SUS304 stainless steel
External Dimension	950 x 3150 x 1800 mm
Workroom Dimension	800 x 800 x 800 mm
Water Supply System	Water tank, booster pump, Automatic water supply, Water purification system
Diameter of Turntable	600 mm
Turntable Rotation Speed	0 ~ 7 rpm (Adjustable)

Water Flow Rate IPX5 / IPX6	12.5 L/min \pm 5% / 100 L/min \pm 5%
Internal Diameter of IPX5 Nozzle	6.3 mm
Internal Diameter of IPX6 Nozzle	12.5 mm