Condensation Tester

XDLN-100A/100B condensation chamber is a general condition and procedure for testing coated specimens in a constant or alternating condensed water environment to ensure that test results from different laboratories can be reproduced. The experiment of CH, AHT and AT can be realized.

To simulate the maximum humidity (100%RH) limit condition of the product in a specific temperature environment and the specific artificial manufacturing environment, the performance of the tested pattern is tested by the limit examination experiment verification in the process of setting the limit condition beyond the general natural environment.

The main test samples are for the environmental performance indexes of the products in the extreme heat and humidity change, such as automobile parts, aviation equipment, home decoration, building materials, paint, coating, electroplating, electrical equipment, etc.

Standards

XDLN-100A

GB/T 13893-2008

GB/T 13893.2-2019

GB 5170.2

GB 5170.5

XDLN-100B

ISO 6270-2:2017

GB5170.2

GB5170.5

Technical Specification / Ordering Info

Name	Condensation Tester	
Model	XDLN-100A	XDLN-100B
Number of Samples	External panel 56 internal panel 56	internal panel 56
Temperature control range	At room temperature +3℃~+60℃	
Humidity control range	95%R.H~ 100%R.H（at +20~+40℃）	
Temperature fluctuation	≤±0.5℃	
Temperature uniformity	≤2℃	
The temperature deviation	≤±2.0℃	
Humidity fluctuation	≤±3.0%RH	
Humidity deviation	≤±3.0%RH	
Temperature drop time	(40℃- room temperature +3℃) within 1.5 hours	
Temperature rise time	(room temperature +3℃-40℃) within 1 hour	
Case bottom bearing	＞50Kg	

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