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**YL-2206QT Ultraviolet Weathering Chamber (Touch Screen Control)****Introduction:**

This chamber is equipped with fluorescent UV lamp which can completely simulate the UV spectra of sunlight, thus to simulate materials in discoloration and decline of brightness and strength with devices for temperature control and humidification. The UV spectra may cause impairments like cracking, flaking off, pulverization and oxidation, as well as factors such as high temperature, high humidity, condensation and darkening period. Meanwhile, with the coordination between UV-light and humidity, single light capacity and moisture capacity would be weakened or deactivated in the chamber, which can be widely used for evaluating the weatherability of products. The machine features in well equipment with UV simulation, low maintenance cost, easy operation, automatic test running period by program controller, high degree of automation, good lamplight stability and high repetition of test result etc..

**Main Features:**

The machine is designed and manufactured in accordance to multiple standard codes, such as ISO 11507/4892-3 and NE 927-6, which serves as the standard of technical indicators.

- I QUV is designed for users' part, with easy-operation and high-security.
- I Ordinary tap water is available for QUV original condenser system.
- I Water heater is beneath the vessel in stead of being submerged in water, which contributes to convenient-maintenance.
- I Water-level controller is set outside the QUV for easier monitoring.
- I With trundles (standard fitting) beneath the machine, movement is facilitated.
- I Convenient to program; automatic alarm for misuse and fault.
- I Controlling of light irradiance, spray pumping and condensing can be implemented..
- I Standard long-life lamp (imported).
- I QUV condensing unit can reach up to 100% humidity by simulating the influence of outdoor humidity.
- I Accurate temperature can be measured by blackboard temperature sensor, of which the test results can be repeated.
- I Humidity, condensation and water spraying can be tested constantly and circularly.





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### Parameters:

Standard	ISO-4892, ASTM-G53, D4587, 4799, BS-27282, SAE-J2020
Temp. Range	RT+10~70℃
Humidity Range	75%~95%RH
Temp. Resolution	1℃
Temp. & Humidity Control Method	Balance adjustment temperature & humidity method
Light Temp. Range	50℃~70℃
Condensation Temperature Range	40℃~60℃
Blackboard Temperature Measuring Range	30~80℃
Light Source	40W Imported UV fluorescent
Wavelength Coverage	UV-A340nm
Radiant Intensity	Adjustable within 1.0/cm <sup>2</sup>
Distance of Lamp and Specimen	50±2mm
Distance Between Lamps	70mm
Dimension	approx 1480mm×560mm×1450mm
Material	SU304# stainless steel
Temp. Control Method	self-tuning PID temperature control mode
Specimen Standard Dimension	50×125mm
Weight	approx 150kg
Proposed Operation Environment	5~35℃, 40%~85%R·H, 300mm away from walls
Power Requirement	220V±5%, single-phase 20A, 50Hz
Optional Lamp Type	American original UVB313L, UVA340, UVB340