



Tabletop Xenon Aging Tester

BEVS 3366



Introduction	BEVS 3366 Tabletop Xenon Aging Tester adopting air-cooled xenon lamp as the light source, which is able to simulate the full sunlight spectrum and accelerated aging test for materials by changing and controlling test conditions (such as irradiance, temperature, spraying) to simulate different outdoor environments. It is suitable for automotive, construction materials, textiles, plastics and rubber, coatings, electronics, aerospace and other industries, providing strong support for product development and quality control.
Working Principle	Tabletop Xenon Aging Tester use xenon arc lamps that can simulate the full sunlight spectrum to reproduce the destructive light waves present in different environments. The tester is equipped with internal temperature and spray control systems, as well as a light control system, which allows precise control of the test conditions, such as light intensity, temperature, spray, etc., to ensure the accuracy of the test results.
Features	<ol style="list-style-type: none">1. 7" touch screen, easy operation2. Advanced air-cooled xenon lamp for excellent simulations3. Intelligent xenon lamp control system to accurately control test conditions4. Automated test process, test data can be output
Main Function	<ol style="list-style-type: none">1. Automatic control of light irradiance2. Controllable inner chamber temperature, BPT/BST3. Automatic control of chamber temperature4. Automatic control of spraying5. Real-time display of the test process
Technical Parameters	<ol style="list-style-type: none">1. Air-cooled xenon lamp: 1800W2. Exposure area: 1200 cm²3. Irradiance: 300-400nm: 20-125W/m² (daylight), 20-108W/m² (window glass) 340nm: 0.25-1.1W/m² (daylight), 0.25-0.85W/m² (window glass) 420nm: 0.45-2.4W/m² (daylight), 0.45-2.4W/m² (window glass)4. Black Panel Temperature (BPT): light cycle: 45-90°C dark cycle: 25-50°C5. Black Standard Temperature (BST): light cycle: 50-100°C Dark cycle: 25-50°C6. Chamber temperature: light cycle: 35-55°C Dark cycle: 30-45°C7. Spraying: 0.2L/min

Instrument Parameters

1. Dimensions: L 750 × W 600 × H 630 mm
2. Power supply: AC 220V, 50Hz
3. Power: 2200 W
4. Weight: 75 kg

■ Standards

GB/T 16422.2	Plastics—Methods of exposure to laboratory light sources
ISO 4892-2	Plastics—Methods of exposure to laboratory light sources
ASTM G155	Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials
ASTM G151	Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources

■ Ordering Info

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