



Bench Xenon Test Chamber

XD-21-865 is a small, simple and economic xenon test chamber. It uses a low power air-cooling xenon lamp to produce enough big irradiance energy in a small space. Moreover, through a special catoptrical system to ensure every exposure sample get the homogeneous irradiance distribution.

Characters

- ◆ Small Size, easy to install, use and practically maintenance-free.
- ◆ The xenon light source correspond with international standards; ensure reproducibility and comparability of testing results.
- ◆ Irradiance energy can be accurately controlled. The "Closed-Loop" control system can automatically compensate the change of light intensity caused by ageing or other factors.
- ◆ Users can easily calibrate and adjust the irradiance or the black panel temperature by themselves.
- ◆ With High precision Pt100 Temperature sensor. Black panel temperature is auto-controlled during the whole process
- ◆ Alarm function for protection: Over temperature of BPT, big error for irradiance, auto shut-down protection when opening door, protection for too low air pressure.



- ◆ Touch screen and user-friendly operation interface allow operator to set the test parameters and monitor all the test process easily.
- ◆ Specimen mounting and evaluation is fast and easy With unique slide-out specimen tray
- ◆ Real-time data can be collected and recorded. The incidental USB connector allow users to copy the test data into a USB drive, achieving unattended operation.

Technical Specification

Name	Bench Xenon Test Chamber
Model	XD-21-865
Xenon Lamp	one 1.8kW xenon lamp imported from America)
Filter	Extended UV filter (Also can choose daylight filter or window glass filter)
Irradiance monitor Methods	340nm or 420nm (Narrow band) or 300nm~400nm (Broad band) (Choose anyone before ordering)
Lamp Lifetime	Near 1,500 hours
Exposure Area	1,000 cm2 (can put 9 standard samples 150mm×70mm)
Adjustable Irradiance Range	30W/m2~100W/m2 (300nm~400nm) or0.3 W/m2~0.8 W/m2 (@ 340nm) or0.5 W/m2~1.5 W/m2 (@ 420nm)
Adjustable Black Panel Temperature Range	RT+20°C~90°C (Depends on environment temperature and setting irradiance value)
Interior Material of Chamber	Stainless steel -SUS 304 material
Exterior Material of Chamber	Powder coating
Overall Size	950mm×570mm×540mm (L×W×H)
Net Weight	93KG (130KG Gross Weight)
Power Supply	220V 50/60HZ (Alternative)
Max. Current	12A
Max.Power	2.5kW



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