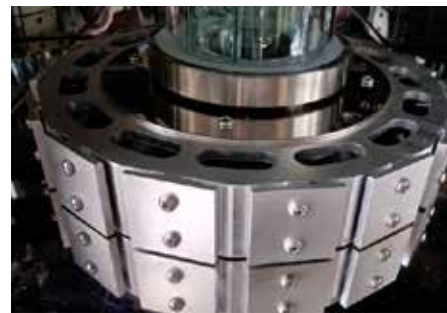
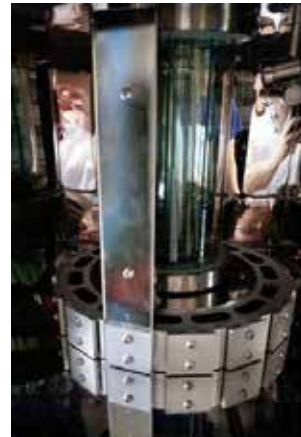


XAW-3002

Xenon Arc Weather - Ometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

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►► **Purpose:**

Xenon arc test chamber also as name as Xenon Weather-Ometer, used for the best simulation of full-spectrum sunlight to reproduce destructive waves existing in different environments. Used for scientific research, product development and quality control to provide the appropriate environment simulation and accelerated testing. Xenon weathering test can be used for the durability test after the selection of new materials, improving existing assessment materials or changes in material composition changes, this test chamber can be use for best simulation of material changes when exposure to the sun in different environmental conditions.

Use in the textile,automotive, paints & coatings and plastics industries as the exclusive platform to deliver accurate, reproducible and repeatable results for predicting service life. This xenon chamber is a full-featured weathering, lightfastness and photostability chamber at a breakthrough price. It provides precise control of critical test parameters including spectrum, irradiance, relative humidity, chamber temperature and black panel/black standard temperature.

►► **Characteristics:**

1. Irradiance sensor fix to light source relative position, eliminate the measurement error due to sample in different position when rotary shaking and refraction,light energy auto self-compensation
2. 2500W Xenon long-arc lamp,reliable simulated sunlight
3. Fast and precise control of BST and BPT
4. Water cycle and purifier, separate timing for each sample,double circuit electron RPS design,make sure the machine in long time running in trouble-free condition.

►► **Standards:** ISO 105-B02

►► **Technical Parameters :**

1 **Sample holder :**

- a. **Sample holder rotation speed** : 2~5 r/min (adjustable)
- b. **Center distance of sample holder** : 122 mm
- c. **Samples for installation** : 14 pcs
- d. **Cover plate** : 56 pcs (4 types)
- e. **Sample exposure area**: 100×45mm; max thickness : 3mm

2 Light filter :

- a. Under colorfastness to light test, when wavelengths 380-750 nm, the min transmittance should be 90%; when wavelengths 310-320 nm, the min transmittance should be close to 0;
- b. Under climatic colorfastness test, when wavelengths 380-750 nm, the min transmittance should be 90%; when wavelengths 290-300 nm, the min transmittance should be close to 0;

3 Xenon lamp : 2500W air-cooled xenon lamp

4 Power : AC220V±5% 50Hz 4KW

5 Light source :

- a **Xenon arc lamp power :** 2500W
- b **Xenon arc lamp working voltage :** 220V
- c **Xenon arc lamp working currency :** 20A

6 Test apportionment

- a **Relative humidity :** 30~80% RH
- b **Room Temperature :** 20±5°C

7 Test chamber size: Length: 400 mm* Width: 340 mm * Height: 320mm

8 Outer size: L:910 mm * W 630 mm * H 1650mm

9 Machine weight : 200 Kg

►► **Standard accessories:**

Power line 1 pcs, Xenon arc lamp 1 pcs, glass filters 7 pcs+7 pcs (spare part)+ gas tube 1 pcs, BST 1 pcs, sample holder

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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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