FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088
TEL: +86-551-65232508
FAX: +86-551-65232507
Email: sales@hkdowell.com
Website: http://www.fyichina.com.cn

DW1410 ULTRAVIOLET ACCELERATED WEATHEROMETER

Rack

Model No:

DW1410

Application:

DW1410 Ultraviolet accelerated Weatherometer is designed for a wide range of applications, such as the ageing testing of non-metallic materials, organic materials (plastics, paints, coatings, rubbers, etc.) and related products under the specified conditions of sunlight, temperature, and climatic conditions, and assess the degree of color change and fade in accelerated man-made testing environments.

DW1410 adopts ultraviolet lamp as the light source that can simulate the UV band spectrum in sunlight, and combines temperature and humidity controlling systems, provides an excellent testing environments for ageing testing.

Related Standards:

DW1410 **ULTRAVIOLET ACCELERATED WEATHEROMETER** is designed and satisfied the test standards, those are

GB/T 14522-2008, Artificial weathering test method for plastics, coating and rubber materials used for machinery industrial products—Fluorescent UV lamps;

ISO 4892-3-2006, *Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps*;

ASTM D4329-2005, *Standard Practice for Fluorescent UV Exposure of Plastics*;

ASTM D4587-2005, *Standard Practice for Fluorescent UV-Condensation Exposures of Paint and Related Coatings*;

ASTM D5208-2001, *Standard Practice for Fluorescent Ultraviolet (UV) Exposure of Photodegradable Plastics*.

Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

Key specification:

- Effective radiation area: 450×1170×500mm (W×D×H);
- Components surface temperature: RT+10℃~70℃;
- Temperature fluctuation: ±1℃;

- Temperature accuracy: ±3℃;
- Temperature resolution: 0.1℃;
- Center distance of lamp: 70mm;
- Irradiance: uniformity within ±15%;
- Humidity ≥95% R・H
- Racks size 76×300mm
- Exposure area 50×125mm×2sections on each rack
- Number of racks 25pcs
- Temperature control: PID self-control mode;
- Wind speed: 0.5～1. 0m/M;
- Light source: UV-A or UV-B;
- Wave length: 313nmwith half band or 340nm with half band;
- Temperature sensor: Pt100;
- AC contactor: Schneider™ ;
- Small relay: Fuji™ in Japan;
- Ballast: Philips™.
- UV lamp Q-LAB™
- Controller Jean Muller™ (from Germany)
- Power supply AC220V 50Hz

WWW. FYICHINA. COM. CN

FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.
ADD: Tianyuan Road 9#, High-tech Zone, Hefei City, China Postal Code: 230088
TEL: +86-551-65232508
FAX: +86-551-65232507
Email: sales@hkdowell.com
Website: http://www.fyichina.com.cn

Standard configuration:

No.	Item	Quantity
1	Main machine	1 set
2	Racks	25pcs

Optional Accessories:

No.	Item
1	

Annex: Machine Structure