



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE & TECHNOLOGY (HK) CO., LTD.
ADD: TIANYUAN ROAD 9#, HIGH-TECH ZONE, HEFEI CITY, CHINA
POSTAL CODE: 230088
TEL: +86-551-68105003
FAX: +86-551-65232507
EMAIL: SALES@HKDOWELL.COM

YG611M AIR-COOLED WEATHER CONDITIONS METER





WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE & TECHNOLOGY (HK) CO., LTD.
ADD: TIANYUAN ROAD 9#, HIGH-TECH ZONE, HEFEI CITY, CHINA
POSTAL CODE: 230088
TEL: +86-551-68105003
FAX: +86-551-65232507
EMAIL: SALES@HKDOWELL.COM

MODEL NO.:

YG611M

APPLICATION:

YG611M AIR-COOLED WEATHER CONDITIONS METER is used to determine the color fastness and aging to sunlight, weather resistance, compound color fastness to sunlight-perspiration of colored textile, leather, leatheroid, plastic, etc, by setting various parameters of irradiance, temperature, humidity, spray to simulate natural condition in lab. Be able to control irradiance real-time, automatically inspect and compensate irradiance, temperature and humidity.

RELATED STANDARD:

STANDARDS	ISO 105-B02/B04,	AATCC 16/169	JIS L0843	GMW 3414
	ISO 4892-2	ASTM G155-1/155-4		SAEJ 1960/1885
				JASOM 346
				PV 1303

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

FEATURES:

- 10.4 inch colorful touch screen display, intuitional and convenient;
- Brief control interface, few setting procedures and simple operation;
- Independent controlling of each sample to test, automatic reminding when test is over;
- Automatic calibration of light density of Xenon lamp during test;
- Multiple independent controlling modules ensure the more performance of apparatus;
- BPT, BST and chamber temperature are controlled by controlling air speed in chamber, ensuring the stability of temperature;
- Inbuilt-in standards, such as AATCC 16.3, ISO 105-B02, ISO 4892-2 B-5, etc.;
- Settable programs up to Settable programs up to 100 pieces, steps for each program up to 200;



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.
 DOWELL SCIENCE & TECHNOLOGY (HK) CO., LTD.
 ADD: TIANYUAN ROAD 9#, HIGH-TECH ZONE, HEFEI CITY, CHINA
 POSTAL CODE: 230088
 TEL: +86-551-68105003
 FAX: +86-551-65232507
 EMAIL: SALES@HKDOWELL.COM

KEY SPECIFICATION:

● Irradiation source	2400W Air-cooled Xenon Arc Lamp
● Irradiance range	(0.80~2.01)W/m ² ±0.02W/m ² @420nm Digitally-settable, auto-compensation
● Rack rotating speed	5rpm
● Number of sample holders	15 for ISO standard or 7 for AATCC standard
● Cycle mode	Light, light & spray, dark or dark & spray
● Program	Settable programs up to 100 pieces, steps for each program up to 200
● Temperature controlling range	30~80°C with resolution of 0.1°C
● Chamber temperature range	30~65°C with resolution of 0.1°C
● Humidity range	Light cycle: 10~85%R.H. Dark cycle: 30~100%R.H.
● Humidity resolution	1.0%
● Humidity fluctuation	±3%
● Measuring range of BST	-55~125°C±0.1°C
● Power supply	AC220V 50Hz 5.0kW
● Dimensions (L×W×H)	1100×680×1800mm (W×D×H)

STANDARD CONFIGURATION:

No.	Item	Quantity
1.	Main machine (including one xenon arc lamp and a set of light filtering system)	1set
2.	Xenon arc lamp for spare	1pc
3.	ISO 100×45mm holders	15pcs
4.	1/2 cover plate	15pcs
5.	1/3 cover plate	15pcs
6.	BST & BPT	1pc



WWW.FYICHINA.COM.CN

FANYUAN INSTRUMENT (HF) CO., LTD.
DOWELL SCIENCE & TECHNOLOGY (HK) CO., LTD.
ADD: TIANYUAN ROAD 9#, HIGH-TECH ZONE, HEFEI CITY, CHINA
POSTAL CODE: 230088
TEL: +86-551-68105003
FAX: +86-551-65232507
EMAIL: SALES@HKDOWELL.COM

7.	Blue wool standard	1set
8.	ISO Gray scale for color change	1pc
9.	ISO 100×45mm White paper card	1box/150pieces
10.	Water inlet pipe	1pc
11.	Drainage pipe	1pc
12.	Exhaust pipe	1pc

Optional Accessories:

No.	Item	Quantity
1.	AATCC 140×70mm holder	7pcs
2.	AATCC gray scale for color change	1set
3.	AATCC 140×70mm White paper card	1box/150pieces
4.	AATCC Blue wool standard	1set