

# OTENTO-SUN III Solar Simulator

## Irradiation of pseudo sun



\*Actual appearance of the instrument is black

The Model OTENTO-SUN III Solar Simulator employing the Xenon lamp and AM1.5G filter irradiates pseudo solar light on the sample such as a solar cell to evaluate its characteristics. The Model OTENTO-SUN III conforms to the Japanese Industrial Standard (JIS) and is ranked into Class AAA which is the best according to the classifications of grades in JIS.

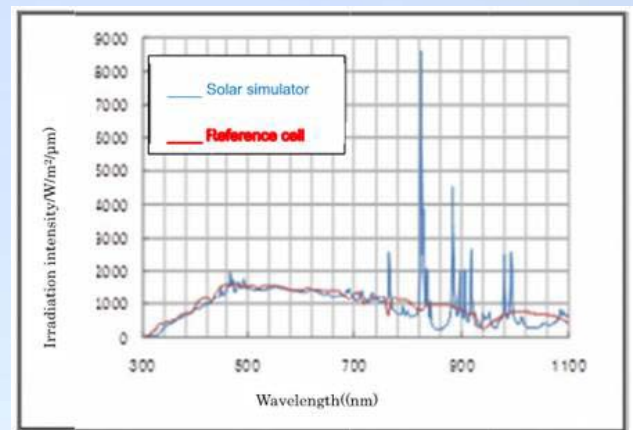
Optional filters are set on the Model OTENTO-SUN III, which can be used for the following purpose.

- Linearity of the amount of the light of the sample when using the ND filter
- Irradiation of monochromatic light by the color filter

## Specifications

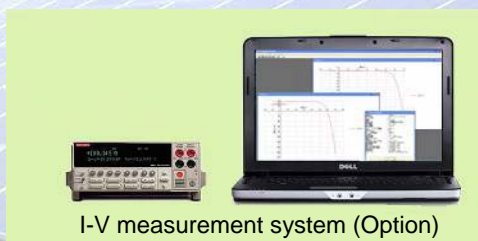
Irradiation intensity:	100mW/cm <sup>2</sup> (1SUN)
Irradiation area:	20 x 20mm
Spectral coincidence:	0.75 ~ 1.25 *
Positional non-uniformity: of irradiance	within ±2%*
Temporal instability: of irradiance	within ±1%/h*
Irradiation direction:	vertical and horizontal ( 360° variable angle )

\*The specifications satisfy those for Grade A stipulated in JIS C8912 and C8933.

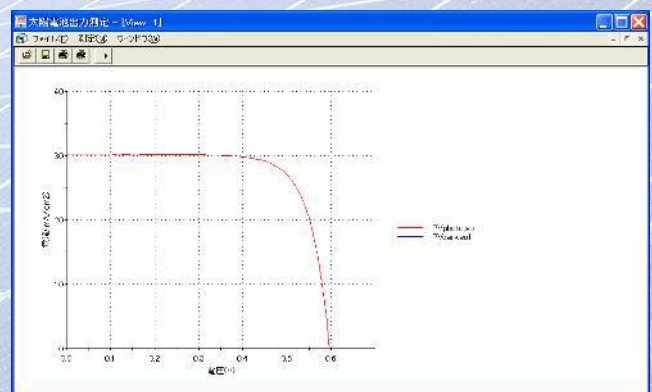


## Options

Light intensity adjustment: detector	Si photo diode for adjustment for 1SUN (BS-500BK and BS-520BK)
Filter:	ND filter and color filters
Measurement system:	I-V measurement system



I-V measurement system (Option)



\*Specifications and appearance of the system are subject to change without prior notices.

**BUNKOUKEIKI CO., Ltd.**

URL <http://www.bunkoukeiki.co.jp/>

### Head quarter & Factory:

4-8 Takakura-cho, Hachioji-shi, Tokyo, 192-0033, Japan, Tel: +81-42-626-4123

### Tokyo branch:

1202 2-4-5 Iwamoto-cho, Chiyoda-ku, Tokyo, 101-0032 Tel: +81-3-3864-1615

### East Japan branch:

3-3-7, Sakura, Tsukuba-shi, Ibaraki prefecture, 305-0003 Tel: +81-29-857-7066

### West Japan Branch:

3-24-5, Toyoshin, East Yodogawa-ku, Osaka-shi, 533-0014, Osaka-fu Tel: +81-6-6323-4502



312, Sai Chambers, Near Santacruz Bus Depot,

Santacruz (East), Mumbai - 400 055

Telephone: +91-22-6697 6816/ 67

Fax: +91-22-2610 9608

Email: [sales@suntek-services.com](mailto:sales@suntek-services.com)

Website: <http://www.suntek-services.com>