

USHIO Optical ModuleX

Light source unit for scientific use



Precautions regarding the USHIO Optical ModuleX

- WARNING** When operating this equipment, be sure to carefully read the instruction manual provided with the unit, and observe all precautions regarding operating procedures and safety. Incorrect operation could result in a serious accident.
- [Fire hazard]** The unit has vents for cooling the power supply. The lamp becomes extremely hot in use, so never cover the cooling vents with material such as cloth or paper or place flammable material nearby. Also avoid excessive direct irradiation.
 - [Burn hazard]** The lamp and surrounding fittings become extremely hot during use. Do not touch them for at least 30 minutes after turning off the power.
 - [Fire, electric shock, fault hazard]** Never modify or change the equipment. If any abnormality is suspected during use, cease operation immediately and contact your dealer.
 - [Eye injury, vision impairment, burn hazard]** This unit emits powerful ultraviolet light. Never look at the light directly under any circumstances, or expose skin to it. The hazard of eye or skin injury is not limited to direct exposure, but can also occur due to indirect exposure. Be sure to wear protective equipment.
 - [Electric shock, injury hazard]** Before installation, lamp replacement, or maintenance, be sure to turn off the power. Further, wait about 3 minutes after turning off the power to allow dissipation of latent hazardous voltages.
 - [Injury/burn hazard due to fire and electric shock]** High voltage flows through the device during use. Be sure to ground the device using the lead on the provided connection cord.
 - [Electric shock]:** Be sure to ground both the lamp housing and perform installation according to the laws and regulations of your country or region.

Specifications of this product are subject to change without notice.

All the information, data and specifications shown are subject to change without notice.

- Notice**
- Equipment shown in this catalog, any products using the equipment or technologies relating to the equipment fall under the category of security control relating to freight or technologies under the provisions of the Foreign Exchange and Foreign Trade Control Law. You have to obtain permission from the Government of Japan before exporting them from Japan.

USHIO <http://www.ushio.co.jp/global>

USHIO INC.

2-6-1 Otemachi, Chiyoda-ku, Tokyo 100-8150
TEL:+81 3-3242-5614 FAX:+81 3-3242-2700
<http://www.ushio.co.jp/en/>

[Manufacture] WACOM ELECTRIC CO., LTD.

For Laboratory Optical modulex

“Optical Modulex” light source unit for scientific use

Lamp optical axis adjustment is unnecessary for all models.
Provides a collimated, high-power light source for tabletop experiments.



Model	MS-35AAA	MS-35AAA-FB	SX-UID502XAM	OPM2-250IR	OPM2-502XQ	OPM2-502HQ	WBS-10C×6CU-5UV-U
Wavelength							
Applications	Evaluation of crystalline silicon solar cells	Evaluation of dye-sensitized solar cells	Evaluation of all types of solar cells	Spectrometers Halogen projectors	Spectrometers Catalytic experiments Photochemical reactions Schlieren optics	Complexes Photocatalysis Photochemical reactions	Cosmetics, sunscreens UV-A, UV-B, SPF experiments
lamp	Xenon Short Arc Lamp 500W 〔UXL-500SX2〕	Xenon Short Arc Lamp 300W 〔UXL-300SX2〕	Xenon Short Arc Lamp 500W 〔UXL-500SX〕	Halogen lamp 250W	Xenon Short Arc Lamp 500W 〔UXL-500SX2〕	Super High Pressure Lamp 500W 〔USH-500SC2〕	Xenon Short Arc Lamp 500W 〔UXL-500SX2〕

Features	Optimal tabletop unit for crystalline silicon solar cell evaluation. Power meter also available as an optional accessory.	This is a fiber-type unit that accommodates an irradiation unit in a chamber for use in evaluating dye-sensitized solar cells. Power meter also available as an optional accessory.	Provides tabletop 10SUN irradiation. Ideally suited for evaluation of solar cell degradation and sunlight exposure testing of devices such as auto parts and smartphone components. Uses automatic centering, eliminating need for lamp optical axis adjustment.	Providing 250 watts of collimated, broad-spectrum light, this model is ideal as a light source for spectrometers.	Allowing easy selection of visible light, this best seller is often used with optional mirror and fiber for testing materials such as photocatalysts. Uses automatic centering, eliminating need for lamp optical axis adjustment.	Allows tabletop selection of three spectral lines (365 nm, 405 nm, and 436 nm) as collimated light. Best-selling model as a light source for photocatalyst and UV testing. Uses automatic centering, eliminating need for lamp optical axis adjustment.	Allows 6-point skin irradiation suitable for cosmetics UV testing per ISO24444 and ISO24442. Uses automatic centering, eliminating need for lamp optical axis adjustment.
----------	--	--	---	---	---	---	--