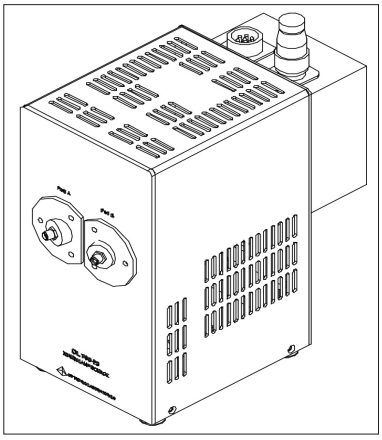
OPTRONIC®
LABORATORIES

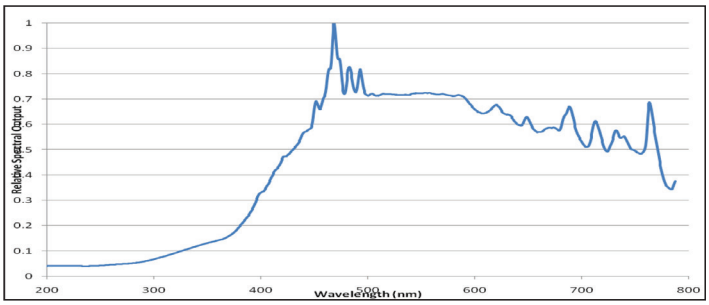
OL 700-23

Dual Output Xenon Source



The OL 700-23 Dual Output Xenon Source is a high stability, high output xenon lamp operating at a color temperature of 6000K. Designed for applications requiring higher ultraviolet output, such as reflectance and transmittance and lower stray light than can be achieved with a tungsten halogen source, it also offers lower spectral variation than tungsten halogen sources. The OL 700-23 comes with two (2) SMA 905 connector outputs that couple the source through one or two fiber optic probes (optional) to accessories, including integrating spheres, transmittance, and reflectance attachments. The output ports are selectable through the OL 770 Applications Software via USB interface.

The xenon lamp maintains superior arc stability over the life of the lamp. Typical lamp life is 2000 hours. The accompanying power supply includes a time counter for monitoring lamp usage. When the OL 700-23 is coupled to the OL 770 Multichannel Spectroradiometer, the internal shutter can be used to sequence lamp output between either connector or both concurrently. The ability to operate the two OL 700-23 source outputs enables the user to perform simultaneous diffuse reflectance and transmittance sample analysis using the OL 700-71 Attachment.



OL 700-23 Dual Output Xenon Source Spectral Output Plot

SPECIFICATIONS	
Lamp Assembly	
Spectral Range*	200 to 1100 nm
Lamp Wattage	75W
Lamp Current	5.4 ±0.5 A dc
Lamp Voltage	15 V dc
Drift**	±0.5%/hr Typ.
Fluctuation (p-p)**	1.0% Max.
Lamp Lifetime	2000 Hours Avg.
Optical Interface	Dual SMA-905 Fiber Coupler Output Ports
Port Control	USB Interface
Control Software	OL 770 Applications
Dimensions	4.46"W x 8.42"H x 7.82"DP *(11.3 cm x 21.4 cm x 19.8 cm)*
Weight	7.5 lbs. *(3.4 kg)*
Power Supply	
Type	Switching Constant Current
Input Voltage	100 to 240 V ac
Drift	±0.1%/hr Max.
Ripple (p-p)	0.1% Max.
Ignitor Method	Manual Start "Lamp ON" Switch
Dimensions	5.67"W x 3.54"H x 11.10"DP *(14.4 cm x 9.0 cm x 28.2 cm)*
Weight	6.6 lbs. *(3.0 kg)*
**See Optional Fibers Section* ***After 5 Hour Initial Lamp Seasoning*	
OPTIONAL FIBERS	
OL 770-7G-RS	VIS/ VIS/NIR; 380 – 1100 nm; Glass FOP
OL 770-7Q-SMA	UV/VIS; 200 – 800 nm; Quartz Grade FOP

For more information visit OptronicLabs.com

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