Product Features

Low cost general purpose sources

Six popular LED/laser diode sources

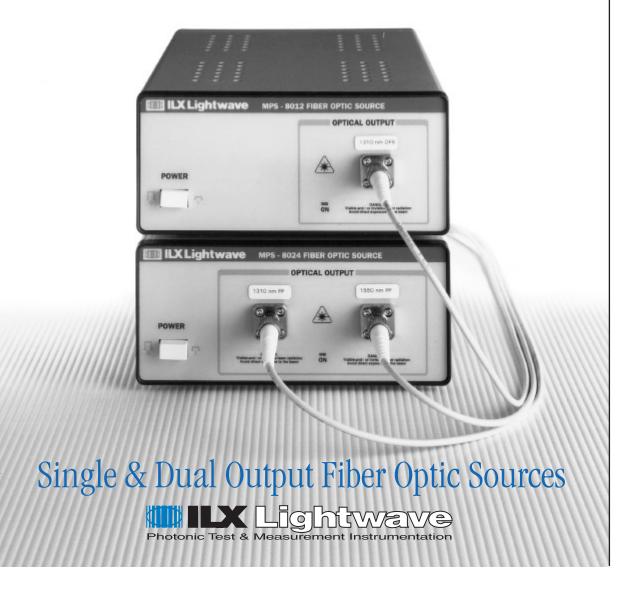
Variety of fiber optic output connectors

Single and dual output

The MPS-8000 Series Fiber Optic Sources are low cost general purpose sources. The MPS-8000 offers fiber optic LED or laser diode sources in single or dual output configurations. Relying on ILX Lightwave's proven laser control technology, these non-temperature stabilized sources provide power and wavelength stability for accurate and reliable test results.

Available in a variety of wavelengths and fiber connector interface options, MPS-8000 Series sources are ideal for applications such as quality control, calibration and acceptance, and insertion and return loss testing.

Standard source options include 1310 and 1550 nm LEDs, 1310 and 1550 nm Fabry-Perot laser diodes, and 1310 and 1550 nm distributed feedback (DFB) laser diodes.



MPS 8000 Series

Fiber Optic Sources

MPS 8000 Series

Fiber Optic Sources

Specifications

MPS-8012 & 8024 Single & Dual Output Fiber Optic Sources

OPTION NUMBER	OPT/013	OPT/015	OPT/113	OPT/115	OPT/213	OPT/215
	1310 nm LED	1550 nm LED	1310 nm FP	1550 nm FP	1310 DFB	1550 nm DFB
Spectral Half Width (FWHM) Wavelength Accuracy Minimum Output Power: ¹ Output Power Stability	<70 nm ±20 nm –10 dBm	<100 nm ±20 nm –17 dBm	<2.5 nm ±20 nm 0 dBm	<5 nm ±20 nm –3 dBm	<1 nm ±20 nm 0 dBm	<1 nm ±20 nm 0 dBm
15 Minutes: ²	±0.1 dB	±0.1 dB	±0.03 dB	±0.05 dB	±0.03 dB	±0.03 dB
24 Hours: ³	±0.5 dB	±0.5 dB	±0.05 dB	±0.1 dB	±0.08 dB	±0.08 dB

GENERAL

Optical Connector: FC/PC, FC/APC, SC/PC, SC/APC, ST

for all options

Fiber Type: SMF 9/125 for all options Operating Temperature: $10^{\circ}\text{C}-40^{\circ}\text{C}$ for all options

Operating Humidity: <95% RH, noncondensing for all options Fiber Optic Connector: FC/PC Standard. Other options avail

able.

Fiber Type: 9/125 Standard

Size (HxWxD): 66 mm x 142 mm x 229 mm

2.6" x 5.6" x 9.0"

Weight:

MPS-8012: 1.5 kg (3.25 lbs) typical MPS-8024: 1.6 kg (3.25 lbs) typical Power Requirements: 100–115 VAC, or 220–240 VAC

50-60 Hz, 35 W max.

NOTES

- 1 Power stability is specified after a one hour warm up.
- 2 Short term power stability specified at a constant temperature of 25°C.
- 3 Long term power stability is specified at a temperature of 25°C, with variations of no more than ±1°C.

In keeping with our commitment to continuing improvement, ILX Lightwave reserves the right to change specifications without notice and without liability for such changes.

ORDERING INFORMATION

OPT/ST

MPS-8012	Single Output Fiber Optic Source
MPS-8024	Dual Output Fiber Optic Source
OPT/013	1310 LED
OPT/015	1550 LED
OPT/113	1310 FP LD
OPT/115	1550 FP LD
OPT/213	1310 DFB LD
OPT/215	1550 DFB LD
OPT/FCP	FC/PC Output Connector
OPT/FCA	FC/APC Output Connector
OPT/SCP	SC/PC Output Connector
OPT/SCA	SC/APC Output Connector

ST/PC Output Connector







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