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MPS 8000 Series

Fiber Optic Sources

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.



Single & Dual Output Fiber Optic Sources

ILX Lightwave

Photonic Test & Measurement Instrumentation

MPS 8000 Series

Fiber Optic Sources

Specifications

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

OPTION NUMBER	OPT/013 1310 nm LED	OPT/015 1550 nm LED	OPT/113 1310 nm FP	OPT/115 1550 nm FP	OPT/213 1310 DFB	OPT/215 1550 nm DFB
Spectral Half Width (FWHM)	<70 nm	<100 nm	<2.5 nm	<5 nm	<1 nm	<1 nm
Wavelength Accuracy	±20 nm	±20 nm	±20 nm	±20 nm	±20 nm	±20 nm
Minimum Output Power:[1]	–10 dBm	–17 dBm	0 dBm	–3 dBm	0 dBm	0 dBm
Output Power Stability						
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°C–40°C for all options
Operating Humidity:	<95% RH, noncondensing for all options
Fiber Optic Connector:	FC/PC Standard. Other options available.
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

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
OPT/ST	ST/PC Output Connector

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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We buy equipment

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