Passive Depolarizer

IQS-9700

- Two versions available: 1310 nm ± 20/1550 nm ± 20 nm and 1520 nm to 1620 nm
- Typical insertion loss of 3 dB at 1310 nm/1550 nm
- Typical degree of polarization (DOP) for LEDs: 3 % over 0.1 nm bandwidth
- Typical DOP of 10 % with the EXFO's 2600 series of Tunable Laser Sources

The IQS-9700 can virtually depolarize any low- and medium-coherence source such as high-power LEDs (SLDs), Fabry-Perot laser diodes, DFBs, as well as the EXFO IQS-2600 and FLS-2600 families of erbium-doped tunable laser sources.

Increase Measurement Reliability and Consistency

When testing amplifiers or when using a tunable laser source for characterizing WDM devices, the IQS-9700 is an excellent alternative to polarization scrambling techniques to obtain better repeatability and consistency over several measurements.

Innovative Design

EXFO is introducing a novel technique to obtain passive depolarization through a design made of singlemode optical fibers. The IQS-9700 typically reduces the degree of polarization (DOP) of EXFO's 2600 series of Tunable Laser Sources to 10 %.

The Passive Depolarizer, available as a stand-alone unit or as a one-slot module in the IQS-500 Intelligent Test System, is also part of the IQ-12003 Environmental Test System and is optional in the IQS-12004B DWDM Passive Component Test System.

Fiber-optic T&M, monitoring, manufacturing and assembly solutions

EXFO

Specifications[1, 2]

Models	IQS-9723	IQS-9734
Operating wavelength (nm)	1310 ± 20/1550 ± 20	1520 to 1620
Fiber type	SMF-28	SMF-28
Insertion loss (dB)[3]	3	3
Degree of polarization (%)	10 to 15	10 to 15
PDL (dB)	0.1	0.1

Ordering Information

IQS-97XX-XX

Wavelength code
23 = 1310/1550 nm
34 = 1520 to 1620 nm

Connector code
EI* = EXFO UPC Universal Interface
EA* = EXFO APC Universal Interface

* EXFO Universal Interface (EUI) connectors are required.
The fixed baseplate (EI or EA) must be ordered with a removable universal connector adapter (EUI-XX). Please specify one EUI from the following list:

EUI-28 = DIN 47256
EUI-76 = HMS-10/AG (EI only)
EUI-89 = FC narrow key
EUI-90 = ST (EI only)
EUI-91 = SC
EUI-95 = E-2000

NOTES

1. All specifications are typical values.
2. Tested with IQS-2600 Tunable Laser Source at 1550 nm.
3. Insertion loss per module, excluding connectors.

CORPORATE HEADQUARTERS	465 Godin Avenue	Vanier (Quebec) G1M 3G7 CANADA	Tel.: 1 418 683-0211 . Fax: 1 418 683-2170
EXFO AMERICA	1201 Richardson Drive, Suite 260	Richardson TX 75080 USA	Tel.: 1 800 663-3936 . Fax: 1 972 907-2297
EXFO EUROPE	Le Dynasteur 10/12, rue Andras Beck	92366 Meudon la Forêt Cedex FRANCE	Tel.: +33.1.40.83.85.85 . Fax: +33.1.40.83.04.42
EXFO ASIA-PACIFIC	151 Chin Swee Road, #03-29, Manhattan House	SINGAPORE 169876	Tel.: +65 6333 8241 . Fax: +65 6333 8242
EXFO CHINA	Beijing New Century Hotel Office Tower, Room 1754-1755 No. 6 Southern Capital Gym Road	Beijing 100044, P. R. CHINA	Tel.: +86 (10) 6849 2738 . Fax: +86 (10) 6849 2662
TOLL-FREE (USA and Canada)	Tel.: 1 800 663-3936	www.exfo.com • info@exfo.com	

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