

Passive Depolarizer

IQS-9700



Two versions available: 1310 nm \pm 20/1550 nm \pm 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
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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-90 = ST (EI only)

EUI-76 = HMS-10/AG (EI only)

EUI-91 = SC

EUI-89 = FC narrow key

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.

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EXFO is certified ISO 9001 and attests to the quality of these products. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices.

Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

For the most recent version of this spec sheet, please go to the EXFO Web site at <http://www.exfo.com/support/techdocs.asp>
In case of discrepancy, the Web version takes precedence over any printed literature.