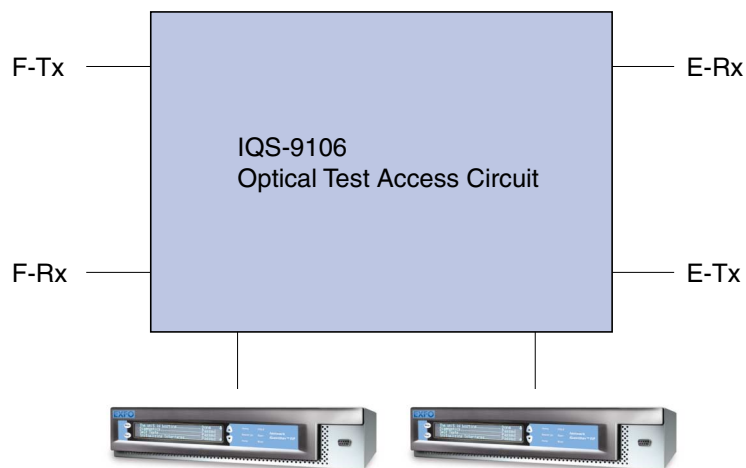


- Non-blocking configuration
- Independent of transmission speed
- Bypass feature in case of power failure or system reboots
- Ideal for remote testing of optical circuits

The IQS-9106 Optical Test Access Circuit is one of the building blocks of the Optical Test Access System (OTAS). This system has been designed by EXFO to offer service providers and network element manufacturers a flexible and cost-efficient solution for the remote testing of optical circuits.

### Test Modes

The IQS-9106 Optical Test Access Circuit is a module allowing the network manager to connect optical circuits in the following modes: In-line monitoring, Intrusive, Drop & Insert.



**SPECIFICATIONS**

Insertion loss <sup>1</sup> (dB):		
E-Rx to F-Tx and F-Rx to E-Tx (In-line mode)		4.0
E-Rx to T2-Rx and F-Rx to T1-Rx (In-line mode)		6.6
E-Rx to T2-Rx and F-Rx to T1-Rx (Intrusive mode)		2.2
T2-Tx to E-Tx and T1-Tx to F-Tx (Intrusive mode)		2.0
Return loss <sup>2</sup> (dB)		50 typ.
Repeatability <sup>3</sup> (dB)		± 0.05
Wavelength range (nm)		1290 to 1330 and 1530 to 1570
Crosstalk (dB)		-70
Polarization-dependent loss (dB)		± 0.15
Maximum input power (dBm)		23
Switching time (ms)		250

**General Specifications**

Size (H x W x D)	12.5 cm x 3.6 cm x 28.2 cm	(4 15/16 in x 1 7/16 in x 11 1/8 in)
Weight	0.97 kg	(2.1 lb)
Temperature		
operating	0 °C to 40 °C	(32 °F to 104 °F)
storage	-40 °C to 70 °C	(-40 °F to 158 °F)
Relative humidity	80 % non-condensing at 40 °C	
Switch life	10 million cycles (minimum)	

**Instrument Drivers**

SCPI commands

**Remote Control**

RS-232C

**Standard Accessories**

User Guide, Certificate of Compliance and Test Report

**Notes**

- At 1310 nm and 1550 nm, 23 °C ± 2 °C, with connectors that have a loss of less than 0.2 dB.
- At 1310 nm and 1550 nm, 23 °C ± 2 °C, with APC connectors.
- At 23 °C ± 2 °C, for 100 cycles.

**ORDERING INFORMATION**

**IQS-9106-01-02-B-XXX**

**Fiber Code**

B = 9/125 mm singlemode

**Connector Code**

88D = Dual SC/APC

91D = Dual SC/UPC



Corporate Headquarters > 400 Godin Avenue, Vanier (Quebec) G1M 2K2 CANADA | Tel.: 1 418 683-0211 | Fax: 1 418 683-2170 | info@exfo.com

Toll-free: 1 800 663-3936 (USA and Canada) | www.exfo.com

EXFO America	4275 Kellway Circle, Suite 122	Addison, TX 75001 USA	Tel.: 1 800 663-3936	Fax: 1 972 836-0164
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

EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. 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 website at <http://www.exfo.com/specs> In case of discrepancy, the Web version takes precedence over any printed literature.

