

FSX Series

## iVAM Optical Power Monitor

Adding value and intelligence to the network.

The iVAM Optical Power Monitor module measures power levels of multiple optical circuits in the network. It transmits an alarm when the optical signal falls outside operator-set thresholds. Up to four independent thresholds may be set for each fiber.

A single iVAM module monitors 4 fibers. A double-wide version that monitors 8 fibers is also available. Each Optical Power Monitor can be accessed remotely through the FSXpert System via Ethernet or EIA/RS-232. It also has the ability to automatically report alarms.

The adaptors on the iVAM modules exit at a 45 degree angle for improved cable management, maintaining minimum fiber bend radius to prevent fiber macro bends. The removable adaptors allow easy access to the internal connectors for cleaning.



iVAM Optical Power Monitor

## Major Features

- Monitors 4 or 8 channels
- 1310 and 1550 nm SM
- 850, 1310 nm MM
- Exceptional temperature stability
- Low insertion loss
- Removable angled adaptors
- Modular design
- Remote access
- NEBs qualified

## Specifications

<b>Chassis Compatibility</b>	FSXpert System	1W1H, 2W1H
<b>Wavelength Ranges</b>	1310, 1550nm +/-20nm SM	9/125 um fiber
	850, 1310 nm +/-20nm MM	50/125 or 62.5/125 um fiber
<b>Measured Power</b>	+1 dBm to -40 dBm	1% tap
<b>Dynamic Range</b>	-5 dBm to -48 dBm	5% tap
	-20 dBm to -60dBm	No tap
	-10 dBm to -50 dBm	MM 10% tap
<b>Measurement Resolution</b>	0.02 dB	
<b>Absolute Accuracy</b>	+ 0.5 dB	
<b>Typical Relative Accuracy</b>	+ 0.2 dB	
<b>Sampling Time / Channel</b>	250 msec.	
<b>Insertion Loss</b>	0.7 dB maximum (SM 1% tap)	Includes two connector losses
	0.4 dB typical (SM 1% tap)	
	1.5 dB maximum (MM 10% tap)	
	1.0 dB typical (MM 10% tap)	
<b>Return Loss</b>	50 dB minimum	SM with connectors, both directions
	(55 dB available with APC conn.)	
<b>Normal Operating Temperature</b>	5°C to +40°C	8.5°C/Hr max.
<b>Input Voltage</b>	-40 to -60 VDC	



North America  
Corporate Headquarters  
15550 Lightwave Drive  
Clearwater, FL 33760, USA  
Toll free: +1.877.442.DIGL  
T: +1.727.442.6677  
F: +1.727.442.5660

Europe/Middle East/Africa  
Intl. Expansion Headquarters  
Jebel Ali Free Zone  
P.O. Box 261126  
Dubai, U.A.E.  
T: +971.4.3606013  
F: +971.4.3606014

Asia/Pacific Rim  
Asian Expansion Headquarters  
10 Anson Road, #21-02  
International Plaza  
Singapore 079903  
T: +65.9002.8093  
F: +65.6729.3031

China  
Expansion Office  
Rm. 308A, Twr. B, He Qiao Bldg.  
Guanghua Rd., Chao Yang Dist.  
Beijing, China 100026  
T: +8610.65815317  
F: +8610.65815327

Latin America/Caribbean  
Expansion Office  
Saratoga 214, Col. Portales  
Mexico City, DF  
Mexico  
T: +52.55.1353.4741  
F: +1.727.442.5660