

# iVAM Optical Power Monitor

*Adding Value and Intelligence to  
the Network .*

## Product Features:

- Monitor 4 or 8 channels
- 1310 and 1550 nm
- Exceptional temperature stability
- Low insertion loss
- Removable angled adaptors
- Modular design
- Remote access



## iVAM Optical Power Monitor

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.

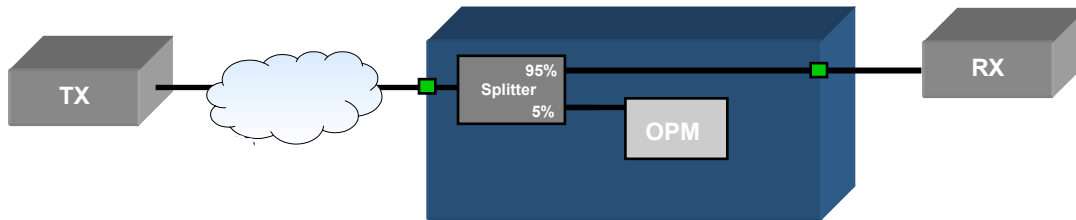
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## SPECIFICATIONS

Parameter	Specification	Remarks
Chassis Compatibility	Alcon FSXpert System	1W1H, 2W1H
Wavelength Ranges	1310, 1550nm +/-20nm	
Measured Power Dynamic Range	+1 dBm to -40 dBm -5 dBm to -48 dBm -20 dBm to -60dBm	1% tap 5% tap No tap
Measurement Resolution	0.02 dB	
Absolute Accuracy	± 0.5 dB	At 1310 & 1550 nm
Typical Relative Accuracy	± 0.2 dB	At 1310 & 1550 nm
Sampling Time / Channel	250 mSec	
Insertion Loss	1.0 dB maximum	Includes connector losses
Return Loss	50 dB minimum	With connectors, both directions
Normal Operating Temperature	5 °C to +40 °C	8.5 °C/Hr max.
Input Voltage	-40 to -60 VDC	



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