

# YM236 Optical Power Monitoring and Switching System

## Overview

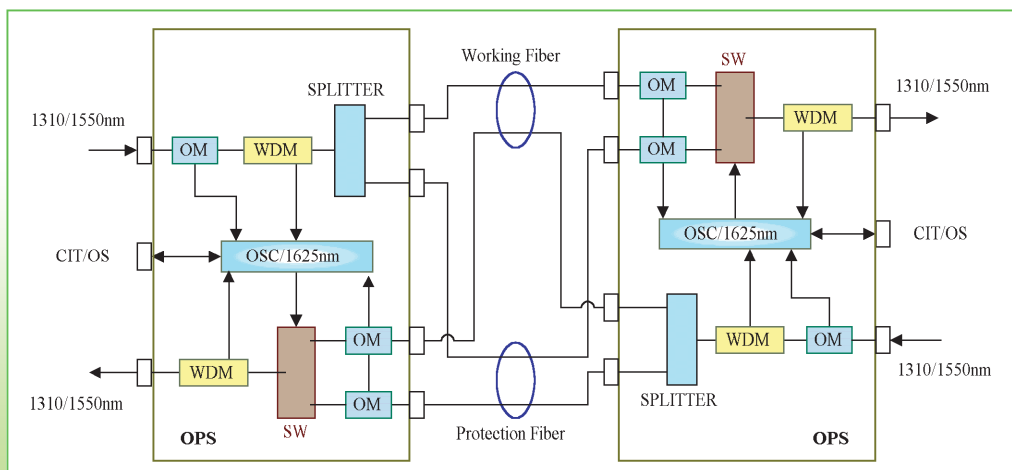
YM236 Optical Power Monitoring and Switching System provides users monitoring and switching capabilities for fiber networks. The system offers telecom, CATV and high speed data users a flexible, non-intrusive way to detect physical plant degradation and provide security for central location or remote fiber rings.



## Features

- ◆ 1+1 protection switching.
- ◆ Modular design and can be mounted in 19 or 23 inches rack.
- ◆ Each shelf can manage 9 optical paths. Total 7 shelves can be connected and can be controlled by one Ethernet port.
- ◆ Real time precision optical power monitoring.
- ◆ User programmable threshold alarm.
- ◆ Data logging feature.
- ◆ SNMP Agent.
- ◆ RS-232 and Ethernet interfaces.
- ◆ 2×16 LCD display.
- ◆ Dry contact alarm output.
- ◆ Visual and audible alarm.
- ◆ Alarm cut off (ACO) feature.
- ◆ In-Band service channel for retrieving far-end data (Option).
- ◆ Compatible with YM235 stand-alone unit.

## Typical Application



## Specifications



◆ End to End System Insertion Loss	: < 8dB ( Fiber Loss budget excluded )
◆ Optical Switching Detection Threshold	: -5dBm ~ -28dBm user-definable with step adjustment 1dB
◆ Switching Time	: < 50ms
◆ Optical Return Loss	: > 45dB
◆ Repeatability	: < ±0.1dB
◆ Cross Talk	: < -60dB
◆ CPE Interface	
Operation Wavelength	: 1310nm and 155nm ± 20nm
Input Power Range	: +3dBm ~ -15dBm
Connector	: FC-PC or SC
◆ Network Interface	
Receiver Power Level	: +1dBm ~ -33dBm
Connector	: FC-PC or SC
◆ In-Band Service Channel	: 1625nm ± 30nm ( Option )
◆ Communication Interface	: RS-232 and Ethernet ( 10/100 Base T )
◆ SNMP Management	: MIB Base on UDP
◆ LED Status Display	: RUN , M/S , W1 , P1 , ALM1 , W2 , P2 , ALM2 , FAIL , ALM , LNK , DUP , 10/100 , COL , ACO
◆ Power	: DC -44V ~ -56V ( redundant ) 1.5A
◆ Operating Temperature	: 0°C ~ 50°C
◆ Relative Humidity	: 5% ~ 85%
◆ Dimension	: 290mm ( H ) × 435mm ( W ) × 335mm ( D )
◆ Weight	: 12 KG
◆ Reliability	: MTBF > 5 years
◆ EMI	: Class A of CISPR

Specification is subject to change without notice



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