



Wavelength Division Multiplexer & Filter

Ascentac FCM4300

Description

Ascentac FiberTrace FCM4300 Series comprises a standard 2U chassis, Wavelength Division Multiplexer (WDM) modules, and Low Pass Filter (LPF) modules. These components are designed as part of the Remote Test Unit (RTU) for the OCAMS Remote Fiber Test System (RFTS).

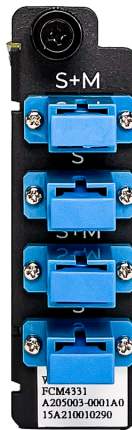
The Wavelength Division Multiplexer (WDM) is a passive optical module that simultaneously couples or separates the Optical Time Domain Reflectometer (OTDR) monitoring signal wavelength and the transmission signal wavelength (or that of an external light source) onto or from the fiber route under test. WDM modules can be installed at the headend or repeater site and support hot-swappable installation and removal without powering down the equipment.

The Low Pass Filter (LPF) module is installed at the end site to filter out the wavelength of the OTDR monitoring signal, thereby preventing interference with system transmission quality. The Filter module also supports hot-swappable installation and removal without powering down the equipment.

Appearance



Head-end Station



Relay Station



End Station

Specification

2U Chassis

Model	FCM4310
Slot	15
Operating Temperature (° C)	0 to 70
Storage Temperature (° C)	-40 to 85
Humidity (%)	5 to 95 (Non-condensing)
Dimensions (H x W x D) (mm)	89 x 484 x 134

Wavelength Division Multiplexer (WDM)

Type	Head-end	Relay
Model	FCM4321	FCM4331
Channel	1	1
Wavelength Range (nm)	1310 ± 20 & 1550 ± 20 / 1625 ± 20	
Insertion Loss (dB)	≤ 1.5	
Isolation (dB)	≥ 30	
Optical Interface	SC / PC	
Operating Temperature (° C)	0 to 70	
Storage Temperature (° C)	-40 to 85	
Humidity (%)	5 to 95 (Non-condensing)	
Dimensions (H x W x D) (mm)	85 x 25 x 129.6	

Low Pass Filter

Type	End
Model	FCM4341
Channel	1
Wavelength Range (nm)	1310 ± 20 & 1550 ± 20
Insertion Loss (dB)	≤ 1.5
Isolation (dB)	≥ 30
Optical Interface	SC / PC
Operating Temperature (° C)	0 to 70
Storage Temperature (° C)	-40 to 85
Humidity (%)	5 to 95 (Non-condensing)
Dimensions (H x W x D) (mm)	85 x 25 x 129.6

Ordering Information

Chassis for WDM & Filter

FCM 04-43100

Note: 1. 2U in height, with 15 slots.

Example: FCM 04-43100

WDM & Low Pass Filter

FCM 07-43XX0



Example: FCM 04-43210



© Copyright 2026 Ascentac. All rights reserved. The information in this document is subject to change without notice.

For the latest information regarding this product, please visit our website at <http://www.ascentac.com>



Contact us