

OFT-4212-MCMU

Fiber optic 16 channels optical test station

Description:

OFT-4212-MCMU is a connector assembly test station, equipped with set of Light sources, Optical Return Loss module, 16 channels power meter and control unit with touch display.

This solution provides full automated test of connector with graphical guidance.

Serial numbers of tested connectors can be entered manually or by QR code reader.

Measured values are checked if they are within expected range, then displayed in GREEN or RED color as a warning.

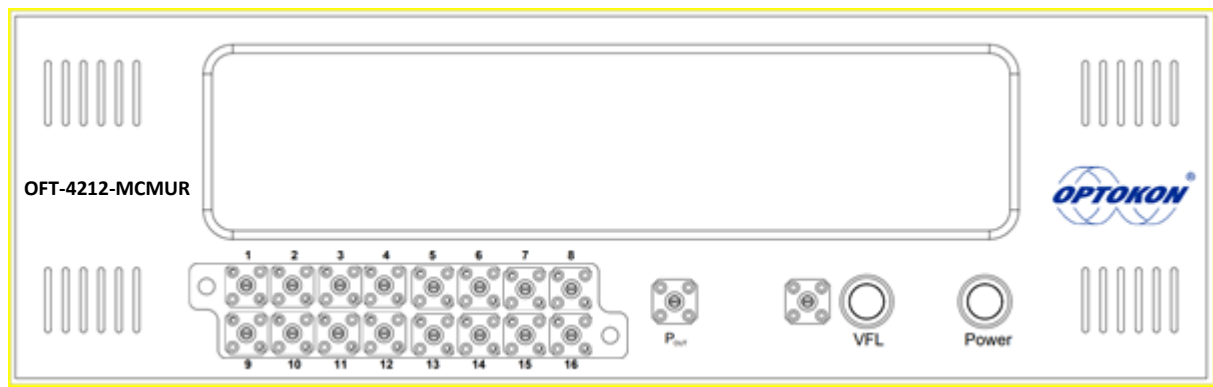
If there is a warning, the measurement can be easily repeated.

All measured data are automatically stored on local SSD.

Configuration:

Connector test: Insertion loss at 850, 980, 1310, 1383, 1490, 1550, 1625 nm

Return loss at 1550 nm



OFT-4212-MCMUR front panel schematical view

Variants:

OFT-4212-MCMU 16x LS output, 16x PM input, without ORL testing

OFT-4212-MCMUR 1x LS output, 16x PM input, with ORL testing



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Specification:

Light source			
Interface	FC/APC		
Working wavelengths	850, 980, 1310, 1383, 1490, 1550, 1625 nm		
Wavelength accuracy	± 2.0 nm		
Wavelength stability, 24 hrs	± 0.1 nm		
Output power	0 dBm		
Accuracy	± 0.3 dB		
VFL – visual fault locator, wavelength	650 nm		
Power meter			
Interface	FC/PC		
Photodetector	InGaAs		
Spectral wavelength	850-1700 nm		
Calibrated wavelengths for SM measurement	1310, 1383, 1550, 1625 nm		
Dynamical range	-50 to +10 dBm		
Uncertainty	± 5 %		
Resolution	0.01		
Displayed units	dBm, dB, W		
Return loss meter			
Dynamic range	0-70 dB		
Working wavelength	1550 nm		
Accuracy	0-50 dB:	0.5 dB	
	50-70 dB:	1.0 dB	
Other functionality			
SW for temporal data collection and storage	16 channels		
Memory capacity	5000		
Display results simultaneously in all 16 channels	Text / graphical		

Applications:

16-channels multifiber connector – patchcord testing

