

# 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.

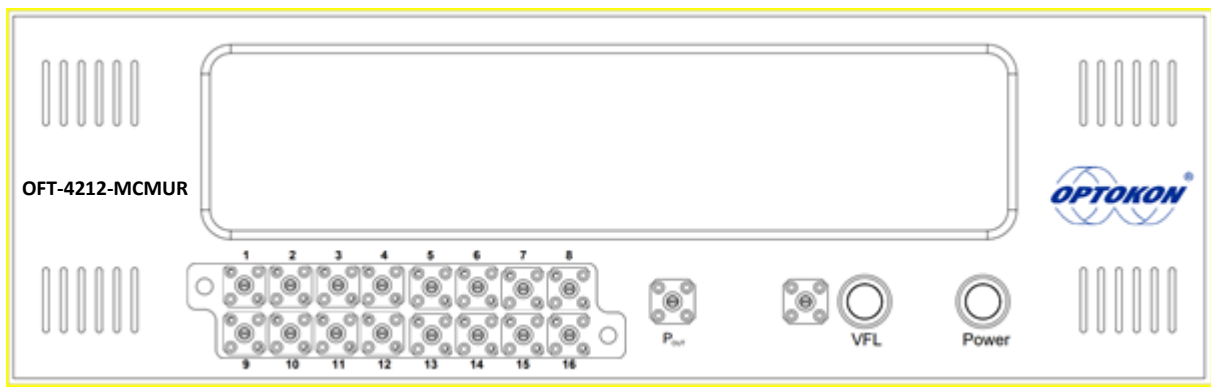
If there is a warning, the measurement can be easily repeated.

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

