

# Test Access Module Kit



Combines with the FG-750 Node iOLM as part of the first practical FTTx line quality assessment solution from the node.

## KEY FEATURES AND BENEFITS

Combines OTDR wavelength[s] 1625 and/or 1650 nm with OLT/ONT/Tx/Rx traffic signals up to 1614 nm

24-channel WDM kit

Dense construction, only 1U height, less than 300 mm deep

SC-APC front access ports, left to OLTs, right to network/ODN

Pigtailed at the rear for direct connection to test equipment, saving one jumper and one connection—3 m long

Rear pigtail models for SC, LC, 12-fiber MTPs and 8-fiber MPOs

## PART OF THE FG-700 FIBER GUARDIAN SERIES



**FG-750**  
Node iOLM



**Node Optical**  
Test Access Unit

## TAM COUPLES OTDR TO LINE

Test access module (TAM) is the common and standard name given to a fiber-optic coupling element, which is used in remote testing and monitoring applications to combine the OTDR signal with traffic. The device used to perform this function is typically a coupler. Some are broadband-type, others are WDM-type or wavelength-division multiplexers, which are spectrally sensitive combiners.

## 24-WDM TAM KIT

This kit allows 24 transmit/receive ports to be coupled with an OTDR test signal with the lowest loss possible, compared to other tapping techniques. These WDMs also isolate Tx/Rx circuits from any OTDR signal coming back from the network in excess of 30 dB.



*Figure 1. Typically sitting on top of or in the same rack as the Fiber Guardian unit, the TAM kit monitor ports are pigtailed at the rear (SC, LC, MTP -12f or MPO-8f) and connected to the front of the remote test unit.*

## MTP/MPO 48-CHANNEL FANOUT OR PATCH PANEL (WITHOUT WDM)

If you own EXFO test equipment or opt for an optical switch terminated with 12-fiber MTPs or 8-fiber MPOs, and need an SC-APC termination, EXFO also offers the same footprint and assembly, without the WDMs. Similarly to the TAM kits, 3 m-long multifiber pigtails at the rear can connect to the front/rear of the test equipment that is terminated with a multifiber connector. This is used to transfer from multifiber to single-fiber cabling, close to the test equipment.

## TAM KIT SPECIFICATIONS

Transmitted band (nm)	1260 to 1614
Reflected band (nm)	1619 to 1670
Passband insertion loss at 1260-1613 (dB)	<0.8
Passband insertion loss at 1613-1614 (dB)	<1.1
Reflected band insertion loss at 1619-1620 (dB)	<1.1
Reflected band insertion loss at 1620-1655 (dB)	<0.8
Reflected band insertion loss at 1655-1670 (dB)	<1.1
Isolation in transmission at 1619-1670 (dB)	>30
PDL (dB)	<0.2
Return loss (dB)	>50
Directivity (dB)	>50
Fiber type	SMF 28e+
Connector type—Network and OLT/Tx/Rx sides	SC/APC <sup>b</sup>
Operating temperature	0 °C to 70 °C
Storage temperature	–40 °C to 85 °C
Package dimension	1U rack

## NOTES

- a. Excluding connector loss.  
b. Other connector types available on request.

## ORDERING INFORMATION

## TAMK-WDM-GA-24-XX

## Models

- SCP-88 = 24 WDM Grade A couplers for connection to FG-750ST/FG-750EX SC-APC terminations.  
MTPP-88 = 24 WDM Grade A couplers for connection to FG-750EX MTP-APC terminations.  
LCP-88 = 24 WDM Grade A couplers for connection to FG-750EX LC-APC terminations.  
MPOP-88 = 24 WDM Grade A couplers for connection to node OTAU MPO-APC terminations.

## FANOUT-K-48-XX

## Models

- MPOP = 48 position SC-APC fanout rack from MPO-APC-terminated node OTAU.  
MTPP = 48 position SC-APC fanout rack for MTP-APC-terminated FG-750EX optical switch cassettes.

## All kits include:

- > Quick Reference guide
- > Certificate of compliance
- > 1U universal rackmount kit (19", ETSI and 23")

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