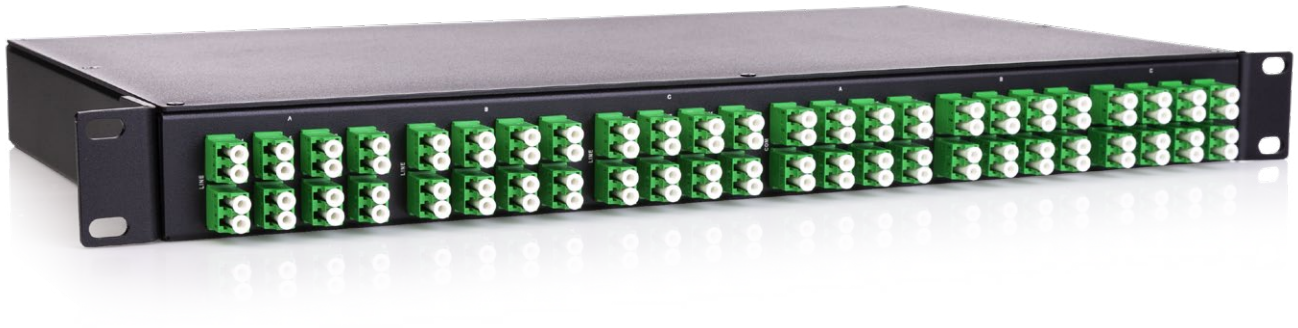
SPEC SHEET

Test Access Module Kit (TAMK)

COUPLING OTDR SIGNALS AND LIVE TRAFFIC

- Combines with the RTU-2 or FG-750 as part of the Nova Fiber solution for in-service FTTx line quality assessment.



KEY FEATURES

Combines OTDR wavelength(s) 1625 and/or 1650 nm with OLT/ONT/Tx/Rx traffic signals

24- and 48-channel WDM kit

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

Rear access for test equipment, front access for lines/OLTs and network/ODN

PART OF THE NOVA FIBER SOLUTION

Fiber Guardian FG-750

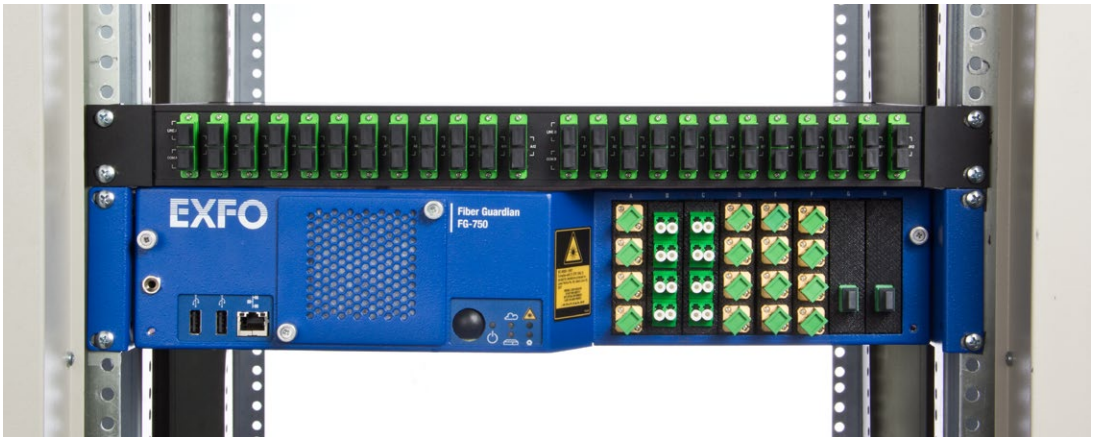
Rackmount platform RTU-2

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

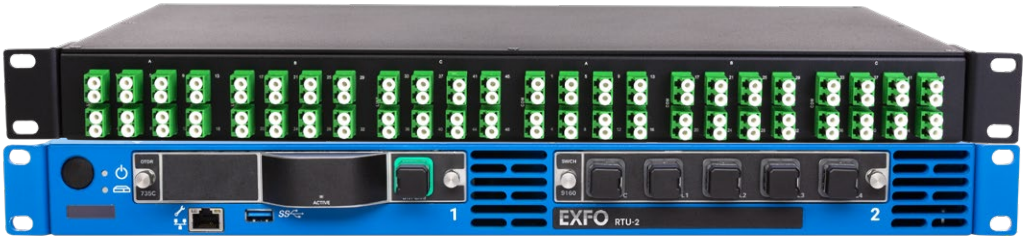
This kit allows 24 transmit/receive ports to be coupled with an OTDR test signal with the lowest loss possible, compared to other tapping techniques. These WDMs also isolate Tx/Rx circuits from any OTDR signal coming back from the network in excess of 30 dB. The 24-channel TAM kits are designed to connect to FG-750s.



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.

48-WDM TAM KIT

This kit allows 48 transmit/receive ports to be coupled with an OTDR test signal. The 48-channel kit is designed to connect to three of the RTUe-9120 ports equipped with MPO 16F connectors.



Model TAMK-WDM-GA-48-MPOC-104 shown.

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.

TAMK SPECIFICATIONS FOR 24-WDM KITS		
Transmitted band (nm)		1260 to 1614
Reflected band (nm)		1619 to 1670
Passband insertion loss [a]	at 1260-1613 (dB) at 1613-1614 (dB)	<0.8 <1.1
Reflected band insertion loss [a]	at 1619-1620 (dB) at 1620-1655 (dB) at 1655-1670 (dB)	<1.1 <0.8 <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 [b]
Temperature	Operating Storage	0 °C to 70 °C (32 °F to 158 °F) −40 °C to 85 °C (−40 °F to 185 °F)
Package dimension		1U rack

TAMK-WDM-GA-48-MPOC-104 SPECIFICATIONS		
Transmitted band (nm)		1260 to 1608
Reflected band (nm)		1615 to 1660
Passband insertion loss at 1260-1600 nm (dB)		≤ 0.8 [c]
Reflected band insertion loss at 1645-1655 nm (dB)		≤ 0.8 [c]
Isolation in transmission at 1645-1655 nm (dB)		≥ 30
PDL (dB)		≤ 0.2
Return loss (dB)		≥ 50
Directivity (dB)		≥ 50
Fiber type		SMF 28e+
Connector type		Input: 24 fibers MPO/APC female Output: LC/APC duplex adapters
Temperature	Operating Storage	0 °C to 70 °C (32 °F to 158 °F) −40 °C to 85 °C (−40 °F to 185 °F)
Package dimension		Packaged in 19-inch 1U rack Ear brackets for ETSI (535mm)

a. Excluding insertion loss of MPO and SC connectors.

b. Other connector types available on request.

c. Excluding insertion loss of MPO and LC connectors.

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.

All kits include:
- Quick reference guide
- Certificate of compliance
- 1U universal rackmount kit (19-inch, ETSI and 23-inch)

TAMK-WDM-GA-48-XX

Model
MPOC-104 = 48 WDM grade A couplers for connection to RTUe-9120.

FANOUT-K-48-XX

Models
MTPP = 48 position SC-APC fanout rack for MTP-APC-terminated FG-750EX optical switch cassettes.

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