

Selection Guide

# VIAVI

## MAP Series

### Power Meter Detector Adaptors

AC Detector Adaptors are designed for use with the VIAVI MAP series optical power meters (mOPM), return loss meters (mORL) and Swept Wavelength System (mSWS); the Optical Loss Meter (mOLM); the Optical Component Environmental Test System (OCETS); and legacy JDSU product lines.

The AC900 series detector adaptors feature three locking pins for improved measurement precision. They can be used with all current mOPM, mORL, mOLM, and mSWS detectors, as well as legacy JDSU C-Series instruments.

AC100 series adaptors are thread-on adaptors without the locking pins of the AC900 series. These adaptors are compatible with all current mOPM, mORL, mOLM, and mSWS detectors, as well as legacy JDSU MAP power meter, return loss meter, and SWS detectors.

For more information about detector compatibility, or if you need an adaptor not listed, contact the Technical Assistance Center (TAC) for support: [support@viavisolutions.com](mailto:support@viavisolutions.com)



## Single-Fiber Connector Adaptors

Detector adaptors for use with most common single-fiber ferrule connectors. The AC900 series adaptors have three locking pins and are compatible with all current MAP series mOPM, mORL, mOLM and mSWS detectors. The AC100 series adaptors do not have locking pins and are compatible with all current and legacy detectors.

Description	Part Number	Image
Blank cap, non-locking	AC100	
ST adaptor, non-locking	AC102	
E2000 adaptor, non-locking	AC115	
Magnetic dark level cap	AC900	
FC adaptor, locking	AC901	
SC adaptor, locking	AC903	
MU adaptor, locking	AC914	
LC adaptor, locking	AC918	
LC Duplex adaptor, locking	AC918D	

## Single-Fiber Ferrule Adaptors

Detector adaptors for use with most common single-fiber ferrules. These adaptors do not have locking pins and are compatible with all current and legacy detectors.

Description	Part Number	Image
2.5mm ferrule adaptor, non-locking	AC116	
2.5mm ferrule adaptor and LC connector adaptor, non-locking	AC116L	
1.25mm ferrule adaptor, non-locking	AC123	
2.0mm ferrule adaptor, non-locking	AC135	
1.0 mm ferrule adaptor, non-locking	AC136	
1.6 mm ferrule adaptor, non-locking	AC137	

## Multi-Fiber Connector Adaptors




Detector adaptors for use with most common multi-fiber ferrule connectors. These adaptors have three locking pins and are compatible with all current MAP series mOPM, mORL, mOLM, and mSWS detectors.

**A VIAVI AC900 series integrating sphere is required for use with these adaptors.**

Description	Part Number	Image
MT ferrule adaptor – universal 12x6 and 16x4 array, locking	AC912P	
MPO-MTP adaptor – center keyed 12x6 and 16x4 array, locking	AC917P	
MPO-MTP adaptor – offset keyed 12x6 and 16x4 array, locking	AC917Q	
MPO-MTP adaptor – universal keyed 12x6 and 16x4 array, locking	AC917U	
MXC adaptor – 16x4 array, locking	AC924P	

## Hardened Connector Adaptors

Connector adaptors are available for outdoor connectors. These adaptors have three locking pins and are compatible with all current MAP-Series mOPM, mORL, mOLM, and mSWS detectors

Description	Part Number	Image
DLX adaptor, locking	AC932	
OptiTap adaptor, locking. Requires an AC991P integrating sphere	AC933	
HMFOC/OptiTip adaptor, locking. Requires an AC900 series integrating sphere	AC935	




## Bare-Fiber Adaptors

Detector adaptors for use with bare fiber (single or ribbon). The fiber adaptor fits inside the holder, which is attached to the detector.

**A VIAVI integrating sphere is not required but is recommended for use with these adaptors.**



Description	Part Number	Image
Single-fiber adaptor, non-locking (one AC920 included)	AC121	
Ribbon-fiber adaptor, up to 16 fibers, locking (one AC920 included). Requires an AC991P integrating sphere	AC913	
Replacement holder for bare-fiber adaptor AC913P. Also suitable for bare-fiber adaptor AC121 and AC113, locking	AC920	
Barrel holder for AC931, locking	AC930	
Fujikura-Sumitomo splice chuck holder, requires AC930	AC931	

## Integrating Spheres

Description	Part Number	Image
Integrating sphere for multi-fiber connectors optimized for SM APC and 12x6 and 16x4 array, locking	AC991P	
Integrating sphere for multi-fiber connectors up to 12 and 16 fiber arrays, locking  (Not recommended for new designs)	AC990P	
Single-fiber, high power, low PDL integrating sphere, 1.0 mm aperture, non-locking	AC330	

## Bulkhead Adaptors and Replacement Parts for AC900 Series MPO adaptors

Bulkhead adaptors are ordered as mating sleeves, these adaptors can be separated into two halves and used to replace worn connector bulkhead adaptors on MAP modules. The inserts for the MPO detector adaptors come with five pieces of each key type: Center, Offset and Universal, as well as instructions for installation.

Description	Part Number	Image
FC/PC to FC/PC mating sleeve or replacement bulkhead, 2.15 mm keyway	AC500	
FC/PC to SC/PC mating sleeve or replacement bulkhead, 2.15 mm keyway	AC501	
FC/PC to FC/APC mating sleeve or replacement bulkhead, 2.15 mm keyway	AC502	
FC/PC to SC/APC mating sleeve or replacement bulkhead, 2.15 mm keyway	AC503	
Internal connector inserts for AC917P, AC917U, AC917Q, 5 pieces of each type	ACRI917	