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MAP Series Power Meter Detector Adaptors

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

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

The AC900 series detector Adaptors feature three locking pins for improved measurement precision. AC100 series Adaptors are thread-on Adaptors without the locking pins of the AC900 series.

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.

Catalog Part Number	Connector Type (PC & APC)	Adaptor Image		Connector Image
AC100	N/A		Blanking Cap	
AC900	N/A		Magnetic dark level cap	
AC103	SC		SC adaptor, non-locking	
AC115	E2000		E2000 Adaptor, non-locking	
AC901	FC		FC Adaptor, locking	
AC903	SC		SC Adaptor, locking	
AC914	MU		MU Adaptor, locking	
AC918	LC		LC Adaptor, locking	
AC102	ST		ST Adaptor, non-locking	

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.

Catalog Part Number	Connector Type (PC & APC)	Adaptor Image	Description
AC116	2.5 mm ferrule		2.5 mm ferrule Adaptor, non-locking
AC116L	2.5 mm ferrule and LC		2.5 mm ferrule Adaptor and LC connector Adaptor, non-locking
AC123	1.25 mm ferrule		1.25 mm ferrule Adaptor, non-locking
AC135	2.0 mm ferrule		2.0 mm ferrule Adaptor, non-locking
AC136	1.0 mm ferrule		1.0 mm ferrule Adaptor, non-locking
AC137	1.6 mm ferrule		1.6 mm ferrule Adaptor, non-locking

Duplex-Fiber Adaptors

Detector Adaptors for use with most common Duplex-Fiber connectors. These Adaptors have three locking pins and are compatible with all current MAP series mOPM, mORL, mOLM, and mSWS detectors.

Catalog Part Number	Connector Type (PC & APC)	Adaptor Image	Description	Connector Image
AC918D	LC Duplex		Actuating LC Duplex Adaptor, locking	
AC918IS	LC Duplex		LC Duplex Adaptor non-actuating for use with mOPM-RHIS power meter series, locking	
AC918M	mini LC Duplex		Mini Duplex LC, locking	
AC936D	MDC Duplex		Standard MDC Duplex, locking	
AC937D	CS Duplex		Standard Duplex CS, locking	
AC937D-B	CS Duplex		Bend-Latch Duplex CS, locking	
AC938D	SN Duplex		Standard Duplex SN, locking	
AC939D	SN-MDC universal		Universal Duplex SN and Duplex MDC ferrule adaptor, locking	

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. Note: A VIAVI AC900 series integrating sphere or mOPM-C1RHIS/C1RHIP integrated power meter is required for use with these adaptors.

Catalog Part Number	Connector Type (PC & APC)	Adaptor Image	Description	Connector Image
AC912P	MT Ferrule		MT ferrule Adaptor – universal 12x6 and 16x4 array, locking	
AC917U	MPO-MTP Universal Keyed		MPO-MTP Adaptor – universal keyed 12x6 and 16x4 array, locking	
AC924P	MXC		MXC Adaptor – 16x4 array, locking	
AC941	MMC16		MMC16 adaptor, locking	
AC943	TMT Ferrule		TMT Ferrule Adaptor, locking	
AC946	SN-MT		SN-MT adaptor, locking	

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 AC900 Series integrating sphere or mOPM-C1RHIS/C1RHIP integrated power meter is not required but is recommended for use with these Adaptors.
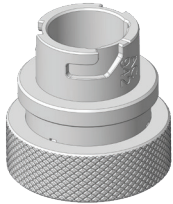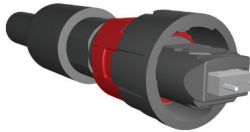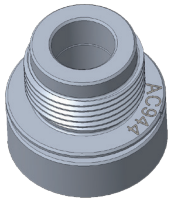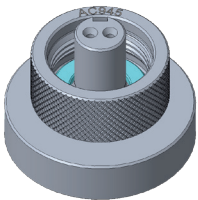
Catalog Part Number	Connector Type (PC & APC)	Adaptor Image	Description
AC121	Bare Single Fiber		Single-fiber Adaptor, non-locking (one AC920 included)
AC913	Bare Single Fiber		Ribbon-fiber Adaptor, up to 16 fibers, locking (one AC920 included). Requires an AC991S integrating sphere
AC920	Bare Ribbon Fiber		Replacement holder for bare-fiber Adaptor AC913. Also suitable for bare-fiber Adaptor AC121 and AC113, locking
AC930	Bare Ribbon Fiber		Barrel holder for AC931, locking
AC931	Fujikura-Sumitomo splice		Fujikura-Sumitomo splice chuck holder, requires AC930

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

Catalog Part Number	Connector Type (PC & APC)	Adaptor Image	Description	Connector Image
AC932	DLX		DLX Adaptor, locking	
AC933	OptiTap		OptiTap Adaptor, locking. Requires an AC991S integrating sphere or an integrated remote head mOPM–C1RHIS/C1RHIP.	
AC934	HMFOC Socket		HMFOC Socket, locking. Requires mOPM–C1RHIS/ C1RHIP integrated remote head.	
AC935	OptiTip/HMFOC		HMFOC/OptiTip Adaptor, locking. Requires an AC991S integrating sphere	
AC940	IP-16 SN		IP-16 SN, locking. Requires an integrated remote head mOPM–C1RHIS/C1RHIP.	
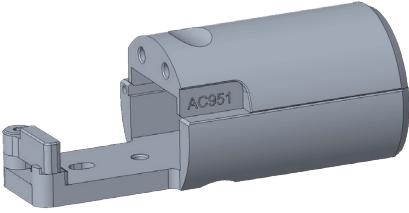
Hardened Connector Adaptors continued

Catalog Part Number	Connector Type (PC & APC)	Adaptor Image	Description	Connector Image
AC942	IP-9 MPO		IP-9 MPO, locking. Requires an AC991S integrating sphere or an integrated remote head mOPM-C1RHIS/C1RHIP.	
AC944	ODC-2 Plug		ODC-2 plug adaptor, locking	
AC945	ODC-2 Plug		ODC-2 socket adaptor, locking	

Universal Connector/Adapter System

The Universal Connector/Adapter System (UCA), provides an adaptation layer between standard test equipment and myriad specific fiber optic termination interfaces, such as fiber-ribbon, ferrules, slider assemblies, fiber-array-unit (FAU), MPO, splice-chucks, & bare-fiber, to fiber optic. An outer, temporary, universal clamshell interface (AC951) can be easily reconfigured to adapt to customized specific termination styles.

The inner piece of the clamshell (AC951), can host splice chucks, v-grooves, ferrules, glass /poly and custom pieces. The second part is the outer portion, AC950, connects to the VIAVI MAP series mOPM, mORL, mOLM, and mSWS detectors.

Catalog Part Number	Connector Type (PC & APC)	Adaptor Image	Description
AC950-95A			AC950 with small circular aperture
AC950-95B			AC950 with large circular aperture
AC950-95C			AC950 with dual row slit aperture
AC951-000	Custom		AC951 with blank insert
AC951-912	MT Ferrule		AC951 with MT insert
AC951-931	Fujikura-Sumitomo splice		AC951 with splice chuck holder insert
AC951-943	TMT		AC951 with TMT insert

Note: A VIAVI AC900 series integrating sphere or mOPM-C1RHIS/C1RHIP integrated power meter is required for use with these adaptors.

Integrating Spheres

Catalog Part Number	Connector Type (PC & APC)	Adaptor Image	Description
AC991S	Multi-fiber connectors		Integrating sphere for multi-fiber connectors optimized for SM APC and 12x6 and 16x4 array, locking
AC330	Single-Fiber		Single-fiber, high power, low PDL integrating sphere, 1.0 mm aperture, non-locking
mOPM-C1RHIS/C1RHIP	N/A		Integrated Remote Head mOPM-C1RHIS: For use with mOPM mOPM-C1RHIP: For use with mORL

Bulkhead Adaptors and Replacement Parts

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.

Catalog Part Number	Connector Type (PC & APC)	Adaptor Image	Description
AC500	FC/PC to FC/PC		FC/PC to FC/PC mating sleeve or replacement bulkhead, 2.15 mm keyway
AC501	FC/PC to SC/PC		FC/PC to AC/PC mating sleeve or replacement bulkhead, 2.15 mm keyway
AC502	FC/APC to FC/APC		FC/PC to FC/APC mating sleeve or replacement bulkhead, 2.05 mm keyway
AC503	FC/APC to SC/APC		FC/PC to SC/APC mating sleeve or replacement bulkhead, 2.05 mm keyway
ACRI917	MPO-MTP		Five MT replacement inserts for AC917U
ACRI903	SC insert		Five SC replacement inserts for AC903
ACAP901	FC		Set of 2 AC901 aperture plates
ACAP903	SC		Set of 2 AC903 aperture plates
ACAP917	MPO/MT		Set of 2 AC917 and AC912 aperture plates
ACAP918	LC		Set of 2 AC918 aperture plates
ACAP918D	LC Duplex		Set of 2 AC918D aperture plates
ACAP935	OptiTip/HMFOC		Set of 2 AC935 aperture plates

AC Kits

Catalog Part Number	Description
AC-PKG-GK-00	MAP-Series OPM General Adaptors Kit
AC-PKG-SK-00	MAP-Series OPM Super Adaptors Kit
AC-PKG-SF-00	MAP-Series OPM Standard Single Adaptors Kit
AC-PKG-CF-00	MAP-Series OPM Cylindrical Ferrule Holder Adaptors Kit
AC-PKG-SP-00	MAP-Series OPM Specialty Adaptors Kit
AC-PKG-DX-00	MAP-Series OPM Duplex Adaptors Kit
AC-PKG-HD-00	MAP-Series OPM Hardened Adaptors Kit
AC-PKG-MF-00	MAP-Series OPM Multi-Fiber Adaptors Kit
AC-PKG-BF-00	MAP-Series OPM Barefiber Adaptors Kit

Kit Contents

Catalogue Number	Package Content
AC-PKG-BF-00	MAP-Series Bare Fiber Adaptor Kit - Including - Cap (AC100) - 2.5mm Ferrule (AC116L) - 1.25mm Ferrule (AC123) - Single Bare Fiber Adaptor (AC121 includes AC920) - Ribbon Bare Fiber Adaptor (AC913 includes AC920) - Barrel Holder for AC931 (AC930) - Fujikura-Sumitomo splice chuck holder (AC931) - 2x FC/APC to FC/APC Mating Sleeves (1x AC502)
AC-PKG-CF-00	MAP-Series Cylinderical Ferrule Adaptor Kit - Including - Cap (AC100) - 2.5mm Ferrule (AC116L) - 1.25mm Ferrule (AC123) - 2.0mm Ferrule (AC135) - 1.0mm Ferrule (AC136) - 1.6mm Ferrule (AC137) - SN/MDC Ferrule Adaptor Locking (AC939D) - 2x FC/APC to FC/APC Mating Sleeves (2x AC502)
AC-PKG-DX-00	MAP-Series Duplex Adaptor Kit - Including - Cap (AC100) - 2.5mm Ferrule (AC116L) - 1.25mm Ferrule (AC123) - LC Duplex Locking (AC918D) - MDC Senior Adaptor Locking (AC936D) - CS Senior Adaptor Locking (AC937D) - SN Senior Adaptor Locking (AC938D) - SN/MDC Ferrule Adaptor Locking (AC939D) - 2x FC/APC to FC/APC Mating Sleeves (2x AC502)
AC-PKG-GK-00	MAP-Series General Adaptor Kit - Including - Cap (AC100) - 2.5mm Ferrule (AC116L) - 1.25mm Ferrule (AC123) - FC Adaptor Locking (AC901) - SC Adaptor Locking (AC903) - MPO Adaptor Locking (AC917U) - LC Adaptor Locking (AC918) - LC Duplex Locking (AC918D) - SN/MDC Ferrule Adaptor Locking (AC939D) - 5x AC903 SC adaptor clips (1x ACRl903) - 5x MPO Adaptor Clips (1x ACRl917) - 2x FC/APC to FC/APC Mating Sleeves (2x AC502)

Kit Contents continued:

AC-PKG-HD-00	MAP-Series Hardened Adaptor Kit - Including - Cap (AC100) - 2.5mm Ferrule (AC116L) - 1.25mm Ferrule (AC123) - SN/MDC Ferrule Adaptor Locking (AC939D) - DLX Adaptor Locking (AC932) - SC Optitap Adaptor Locking (AC933) – HMFOC Plug Adaptor Locking (AC935) - IP16-SN Adaptor Locking (AC940) - IP9 Adaptor (AC942) - 2x FC/APC to FC/APC Mating Sleeves (2x AC502)
AC-PKG-MF-00	MAP-Series Multi-Fiber Adaptor Kit - Including - Cap (AC100) - 2.5mm Ferrule (AC116L) - 1.25mm Ferrule (AC123) - LC Duplex Locking (AC918D) - MT Ferrule Adaptor Locking (AC912P) - Ribbon Bare Fiber Adaptor (AC913) - SN/MDC Ferrule Adaptor Locking (AC939D) - MPO Adaptor Locking (AC917U) - MXC Adaptor Locking (AC924P) - MMC16 MT Adaptor Locking (AC941) - 5x MPO Adaptor Clips (1x ACRI917) - 2x FC/APC to FC/APC Mating Sleeves (1x AC502)
AC-PKG-SF-00	MAP-Series Standard Adaptor Kit - Including - Cap (AC100) - 2.5mm Ferrule (AC116L) - 1.25mm Ferrule (AC123) - FC Adaptor Locking (AC901) - SC Adaptor Locking (AC903) – LC Adaptor Locking (AC918) - LC Duplex Locking (AC918D) - 5x AC903 SC adaptor clips (1x ACRI903) - 5x SC Adaptor Inserts (AC903) - 2x FC/APC to FC/APC Mating Sleeves (2x AC502)
AC-PKG-SK-00	MAP-Series Super Adaptor Kit - Including - Cap (AC100) - 2.5mm Ferrule (AC116L) - 1.25mm Ferrule (AC123) - FC Adaptor Locking (AC901) - SC Adaptor Locking (AC903) - MPO Adaptor Locking (AC917U) - LC Adaptor Locking (AC918) - LC Duplex Locking (AC918D) - MT Ferrule Adaptor Locking (AC912P) - Single Bare Fiber Adaptor (AC121) - Ribbon Bare Fiber Adaptor (AC913) - SN/MDC Ferrule Adaptor Locking (AC939D) - 5x AC903 SC adaptor clips (1x ACRI903) - 5x MPO Adaptor Clips (1x ACRI917) - 2x FC/APC to FC/APC Mating Sleeves (2x AC502)
AC-PKG-SP-00	MAP-Series Speciality Adaptor Kit - Including - Cap (AC100) - ST Adaptor (AC102) - E2000 Adaptor (AC115) - 2.5mm Ferrule (AC116L) - 1.25mm Ferrule (AC123) - MU Adaptor Locking (AC914) - 2x FC/APC to FC/APC Mating Sleeves (2x AC502)

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