

ALM - Maintenance Hole sensor



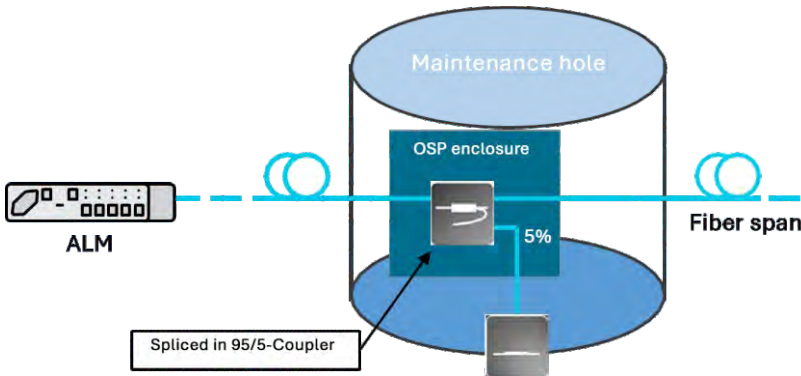
Fiber-Based Passive Sensor for Maintenance Hole Monitoring

Installation and ordering

Installation Notes

For practical reasons, the MHS does not contain an integrated coupler. Coupling out from the monitored fiber to the location of the maintenance hole lid or MHS requires an additional 95/5-coupler which is usually spliced in and installed in an OSP enclosure located close to a maintenance hole.

For ordering information of the 95/5 coupler, please refer to the "Ordering information" table below. The MHS is delivered with a 7 meter fiber-optical cable which in most cases is sufficient to connect it to the 5%-port of the 95/5-coupler installed within the OSP enclosure.



The MHS is provided in two variants, 25 mm and 35 mm, both of which include the wall mounting hardware bracket. The 25 mm and 35 mm options refer to the distance from the wall which the sensor is mounted to engage with the lid. Consult your vendor's specifications to determine which model applies.

The optional step protection is offered in two variants to match the sensor mounting 25 mm and 35 mm sensor options. The step protector is used to protect the sensor when the lid is removed to avoid accidental damage.

Ordering Information

Product Code	Product Name	Product Description
1043709878-01	FAS/ALM/MHS-WALL-IP68-35	Maintenance hole sensor, 7m fiber, wall mount bracket included, 35mm activation distance
1043709886-01	FAS/ALM/MHS-WALL-IP68-25	Maintenance hole sensor, 7m fiber, wall mount bracket included, 25mm activation distance
1043709887-01	FAS/ALM/MHS-STEP-35	Step protection bracket for use with FAS/ALM/ MHS/WALL-IP68-35 ONLY
1043709888-01	FAS/ALM/MHS-STEP-25	Step protection bracket for use with FAS/ALM/ MHS/WALL-IP68-25 ONLY
1043739868-01	J-Y/SM/95-5/NC/0200	95/5-Coupler, 2m fiber, no connectors

Typical System Configuration



The following table illustrates the recommended combinations of product SKUs commonly used to build complete, fully functional systems for different deployment scenarios.

S.No	Product Name	Item Code
1.	Mosaic Network Controller Fiber Monitoring Software with GIS capability	IC: 1091007502+1091008940+1091006170 UPC: 107174
2*	48ALM-T Fiber Monitoring System 48Fiber with MFD Client license	IC: 1043709880-01+1043709883-01+1036904053+1036006011+1043709881-01+1091707075-01+BC00001099 UPC: 107172
3*	16ALM Fiber Monitoring System 16Fiber with MFD Client License	IC: 1043709842-03+ 1013904019+ 1036904053+ 1036006011+BC00001098 UPC: 107173
4*	16ALM Fiber Monitoring System 16Fiber without MFD	IC: "1043709842-03+ 1013904019+ 1036904053+ 1036006011+1091007430" UPC: 107194
5**	8-Port WDM Coupler / Bypass Filter Module	IC: 8/1CSM+#1650/1LGX + SH1HU/LGX-19/PASSIVE UPC: 107286
6.	ALM Demarcation Reflector	IC: DR/PTP/SC/GREY UPC: 107287
7.	Passive Cabinet Door Sensor for RFMS	IC: 1043709876-01 UPC: 107288
8.	Hardware server for installation of fiber monitoring server software	IC: Server_FMS UPC: 107175
9.	Industrial work station	Ex02 UPC: 107176

(*)

RTU's are of different port capability that is 48 port, 16 port. Shall be choosen on the basis of route length and no of fiber links to be monitored.

(**)

Passive and unmanaged module with 8 integrated WDM couplers (Y-Cables) , designed for monitoring of 8 individual live/In service fiber cores. If Monitoring Dark Fiber Links use of WDM Couplers shall be eliminated.