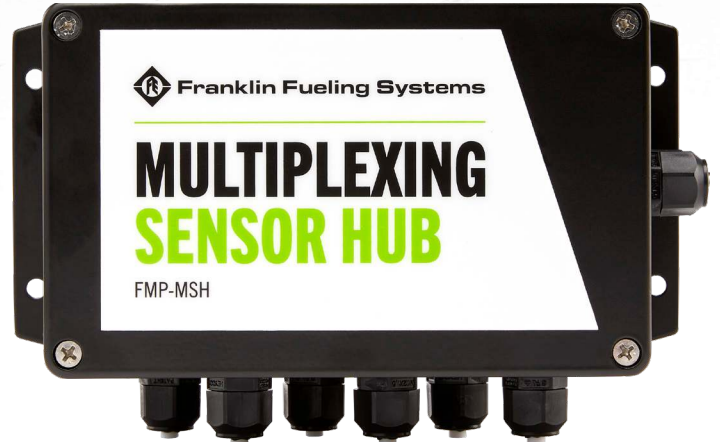


MULTIPLEXING SENSOR HUB™

The Multiplexing Sensor Hub™ (MSH) allows station owners to add the Corrosion Control™ Water Separator, Corrosion Detection Sensor, and other sensors to existing sites without having to break concrete to run new conduit and wires. The MSH utilizes existing cabling to power and connect up to six total devices to an EVO™ 600 or EVO™ 6000.

HIGHLIGHTS

- For retrofit applications: the MSH can use existing cabling to add additional probes or sensors, providing expanded monitoring capabilities without the need to break concrete to run additional cable.
- For new applications: the MSH delivers labor and materials savings by reducing the amount of conduit and cable required for monitoring devices within a containment sump.
- Ideal for use in adding a Corrosion Control™ Water Separator, Desiccant Pack Sensor, and/or Corrosion Detection Sensor to an existing tank sump, providing all necessary input capabilities for this system.
- Six input channels provide a wide assortment of device communication capabilities:
 - Channel 1:** For FMP-LL3 digital inventory and leak detection probes.
 - Channel 2-5:** Multiplexed, for 2-wire universal device protocol (UDP) communication devices.
 - Channel 5:** Additional capability for 2-wire devices.
 - Channel 6:** For any dry-contact single pole single throw (SPST) switch, flow switch, two-wire device, or temperature sensor based on a 10k thermistor.



Input Capabilities

The FMP-MSH is capable of supporting the following devices:

Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6
FMP-LL3	FMP-DDS-U	FMP-DDS-U	FMP-DDS-U	FMP-DDS-U	FMP-ULS
	FMP-DTS-U	FMP-DTS-U	FMP-DTS-U	FMP-DTS-U	FMP-UHS
	FMP-EIS-U	FMP-EIS-U	FMP-EIS-U	FMP-EIS-U	FMP-HFS2
	FMP-DIS-U	FMP-DIS-U	FMP-DIS-U	FMP-DIS-U	10k Temp. Sensor
	FMP-HIS-U	FMP-HIS-U	FMP-HIS-U	FMP-HIS-U	
	FMP-CDS-U	FMP-CDS-U	FMP-CDS-U	FMP-CDS-U	
	FMP-DPS-U	FMP-DPS-U	FMP-DPS-U	FMP-DPS-U	
	FMP-LL3-XX-WS*	FMP-LL3-XX-WS*	FMP-LL3-XX-WS*	FMP-LL3-XX-WS*	
				FMP-ULS	
				FMP-UHS	

*The FMP-LL3-XX-WS is integrated into the Corrosion Control™ water separator to detect water level in the vessel.

SYSTEM COMPONENTS

Add these Corrosion Control™ System items to your site to proactively prevent and detect corrosion.



**EVO™ 600 OR
EVO™ 6000**



**WATER
SEPARATOR**



**ADVANCED
PROTECTION STP**



**CORROSION
DETECTION SENSOR**



**DESICCANT
PACK & SENSOR**



**LOW LEVEL
WATER FLOAT**

SPECIFICATIONS

Inputs	(1) LL3 probe, (4) UDP devices, (1) switch/temperature sensor, (1) RS-485 sensor
Output	EVO™ 600/6000: (1) RS-485
Theory of Operation	<ul style="list-style-type: none">- The FMP-MSH requires a minimum of four wire connections to the EVOTM RS-485 Module:<ul style="list-style-type: none">- Power- Ground- A Communication- B Communication- If a sump has at least two existing input field cables, such as a 2-conductor probe cable and a 2-conductor sensor cable, conductors from both cables may be used to provide the four conductors required for the MSH to EVOTM connection.- The A and B conductors must be wired together in a shielded, twisted cable; and the Power and Ground conductors must be within the same shielded, twisted cable.- If there is not sufficient existing wiring, Belden Cable 7962A or equivalent may be used.
Approvals & Certifications	UL listed, ATEX / IECEx

ORDERING INFORMATION

Model	Description
FMP-MSH	Multiplexing Sensor Hub™