

## Franklin Fueling Systems

### EVO 600 and EVO 6000

#### Consoles with FMP-DIS Discriminating Interstitial Sensor and FMP-EIS Electro-Optical Interstitial Sensor

#### INTERSTITIAL DETECTOR (LIQUID-PHASE)

#### Detector:

Output Type:	qualitative
Sampling Frequency:	continuous
Operating principle:	conductivity, electro-optic

#### Test Results:

	<u>unleaded gasoline</u>	<u>diesel</u>	<u>waste oil</u>	<u>water</u>	<u>E85</u>
<b>FMP-DIS</b>					
Detection time (min)	<1	<1	<1	<1	<1
Fall time (min)	<1	<1	<1	<1	<1
Threshold Level (in)	0.2996	0.3057	0.2934	0.3134	0.2886
<b>FMP-EIS</b>					
Detection time (min)	<1	<1	<1	<1	<1
Fall time (min)	<1	<1	<1	<1	<1
Threshold Level (in)	0.2718	0.2728	0.2534	0.2792	0.2700

#### Applicability:

**California Code of Regulations require a written statement of compatibility for systems containing products other than those used in this evaluation.**

#### Comments:

Sensors can be removed, cleaned, and reinstalled if an alarm is triggered or if the sensor is periodically tested.

The FMP-DIS and FMP-EIS sensors are identical in operation and communication to Franklin Fueling System's TSP-DIS and TSP-EIS sensors. The FMP-DIS and FMP-EIS sensors can connect to any INCON console with no software or setup changes. FMP-DIS and FMP-EIS sensors can be distinguished from TSP-DIS and TSP-EIS sensors by the part number on the label that begins with "FMP" instead of "TSP." The TSP-DIS, TSP-EIS, FMP-DIS and FMP-EIS sensors appear as the same device from the automatic tank gauge.

The FMP-DIS sensor uses two conductive pins to detect whether the liquid is water or fuel. When tested in three mixtures of water/E85 (i.e., 20%/80%; 30%/70%; and 70%/30%), the FMP-DIS sensor went into alarm when subjected to the upper and lower layers of water/E85. For the upper layer containing hydrocarbon, the DIS sensor indicated a product or alarm as designed. For the lower layer of liquid, the DIS sensor indicated a "water" alarm.

Franklin Fueling Systems  
3760 Marsh Road  
Madison, WI 53718  
Tel: (800) 225-9787  
E-mail: [info@franklinfueling.com](mailto:info@franklinfueling.com)  
URL: [www.franklinfueling.com](http://www.franklinfueling.com)

Evaluator: Ken Wilcox Associates  
Tel: (816) 443-2494  
Dates of Evaluations: 04/02/15, 11/08/18,



---

| [Home](#) | [Vendors: A - F](#) | [Vendors: G - M](#) | [Vendors: N - S](#) | [Vendors: T - Z](#) | [Method Index](#) | [Glossary](#) |

Appearance on this list is not to be construed as an endorsement by any regulatory agency nor is it any guarantee of the performance of the method or equipment. Equipment should be installed and operated in accordance with all applicable laws and regulations. For full details, please refer to our expanded "[DISCLAIMER](#)" page.