

SENSOR SELECTION GUIDE

No matter what the monitoring application is, Franklin Fueling Systems offers a sensor solution tailored to the specific requirements of each application.



Sensor	Discriminating Dispenser Sump Sensor	Discriminating Turbine Sump Sensor	Discriminating Magnetoresistive Sump Sensor	Universal Liquid Sensor	Electro-Optic Interstitial Sensor	Horizontal Float Switch Sensor	Discriminating Interstitial Sensor	Hydrostatic Interstitial Sensor	Corrosion Detection Sensor	Corrosion Desiccant Pack Sensor
Discriminating Capability	✓	✓	✓		✓		✓			
Non-Discriminating				✓	✓	✓		✓		✓
Turbine Sump Applications		✓	✓	✓				✓	✓	
Dispenser Sump Applications	✓		✓	✓					✓	
Tank Interstitial Space Applications					✓	✓	✓	✓		
Tank Ullage Applications									✓	
Position Sensitive (Tamper Protection)		✓								
Hydrostatic Monitoring Capability								✓		
EVO™ 200 / EVO™ 400 Model Number	FMP-DDS-U	FMP-DTS-U	TSP-DMS	FMP-ULS	FMP-EIS-U		FMP-DIS-U	FMP-HIS-U FMP-HIS-XL-U	FMP-CDS-U	FMP-DPS-U
EVO™ 550 / EVO™ 6000 Model Number*	FMP-DDS	FMP-DTS	TSP-DMS	FMP-ULS	FMP-EIS	FMP-HFS2	FMP-DIS	FMP-HIS FMP-HIS-XL FMP-HIS-XL-U	FMP-CDS-U	FMP-DPS-U
EVO™ 600 / EVO™ 6000 Model Number*	FMP-DDS, FMP-DDS-U	FMP-DTS, FMP-DTS-U	TSP-DMS	FMP-ULS	FMP-EIS, FMP-EIS-U	FMP-HFS2	FMP-DIS, FMP-DIS-U	FMP-HIS, FMP-HIS-XL, FMP-HIS-XL-U	FMP-CDS-U	FMP-DPS-U
Typical Application	Dispenser sump applications requiring discriminating capabilities	Turbine sump applications requiring discriminating capabilities	Turbine or dispenser sump applications with tamper protection regulations in place	Monitoring for the presence of a liquid in a containment sump	Dry double wall tank applications including fiberglass and wrap-around	Dry double wall fiberglass tank applications	Dry double wall tank applications including discriminating capabilities	Double wall tank interstitial space filled with brine solution	Monitoring for corrosive environments	Monitoring remaining life of the Desiccant Pack(s)

EVO™ 550, EVO™ 600 and EVO™ 6000 may support additional sensors. Sensors with "U" are used with the EVO™ 600 and EVO™ 6000 to wire to the probe module. FMP-DDS, FMP-DIS, FMP-EIS, FMP-DIS, FMP-DIS, FMP-HIS and FMP-HIS-XL all require a 3-wire sensor module.

SPECIFICATIONS

Fuel Compatibility



Sensor	TSP-DDS, FMP-DDS, FMP-DDS-U	TSP-DTS, FMP-DTS, FMP-DTS-U	TSP-DMS	UHS, UHS	TSP-EIS, FMP-EIS, FMP-EIS-U	FMP-HFS2	TSP-DIS, FMP-DIS, FMP-DIS-U	TSP-HIS, TSP-HIS-XL, FMP-HIS, FMP-HIS-XL, FMP-HIS-U, FMP-HIS-XL-U	FMP-CDS-U
Diesel with or without biodiesel blends up to 5% (B5)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Installed in Brine Solution	Yes
Diesel with biodiesel blends between 6% - 20% (B6 - B20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Installed in Brine Solution	Yes
Diesel with biodiesel blends between 97% - 100% (B99 - B100)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Installed in Brine Solution	Yes
Gasoline with ethanol blends up to 10% (E10)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Installed in Brine Solution	-
Mid-range ethanol/gasoline blends of (E15-20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Installed in Brine Solution	-
High-range ethanol/gasoline blends (E51-83)- Commercially sold as E85	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Installed in Brine Solution	-

Note: Extended exposures to the above listed fuels or vapors can lead to swelling of connector cables and potentially damage sensors to the point of inoperability.