

DISCRIMINATING MAGNETOSTRICTIVE SENSOR (DMS)



The DMS sensor is a fast acting discriminating sensor that utilizes magnetostrictive technology to provide reliable monitoring of dispenser pans and containment sumps. Its floats can detect the presence of water or hydrocarbons and also ensure that the sensor installation has not been tampered with. The DMS sensor can report water warnings and programmable water alarm points as well as product alarms. The DMS sensor is used with EVO™ Series fuel management system ATGs.

HIGHLIGHTS

- Utilizes proven magnetostrictive technology.
- Water warning, water alarm, and product alarm.
- Tamper protection feature will alarm if sensor is moved from installed position.
- Will alarm and recover quickly when hydrocarbons are present.

APPLICATION

For containment sump monitoring.

Model	Description
TSP-DMS-12	Discriminating magnetostrictive sensor, monitors 12" of liquid & measures 22" in length (EVO™ 200, EVO™ 400, EVO™ 550 and EVO™ 5000).
TSP-DMS-24	Discriminating magnetostrictive sensor, monitors 24" of liquid & measures 34" in length (EVO™ 200, EVO™ 400, EVO™ 550 and EVO™ 5000).
TSP-KS	Unistrut™ mounting kit

Note: This sensor communicates with the ATG via the TS-PRB probe module.



LIQUID SENSOR (ULS)

The liquid sensor (ULS) is a low cost sensor which may be used with all EVO™ Series fuel management systems. This sensor is also compatible with S940 Sensor Alarm Console. Based on float-switch technology and made of chemically-resistant materials, the ULS may be installed in sumps, dispenser pans, steel double wall tanks or other locations where the presence of liquid indicates a leak has occurred.

HIGHLIGHTS

- Highly reliable float technology and closed output circuit ensures that leaks are detected.
- Chemical-resistant materials assure compatibility with most liquids.

Model	Description
FMP-ULS	Universal liquid sump sensor (EVO™ 200, EVO™ 400, EVO™ 550 and EVO™ 5000)
TSP-ULS	Universal liquid sump sensor (for use with S940 only)
TSP-K12	Interstitial sensor riser cap kit for 2" riser pipes

Note: This sensor communicates with the ATG using 2 wires.

APPLICATION

For dry steel tank interstitial and containment sump monitoring.

INSTALLATION

Each ULS sensor comes with a 25' cable. ½" NPT thread is provided on the compression gland fitting attached to the sensor's cable, allowing it to be suspended from standard electrical boxes and fittings. The sensor may be positioned vertically by adjusting cable length. For steel interstitial tanks, ULS is lowered into the opening provided on the tank and is suspended by optional TSP-K12 installation kit. Other mounting methods available depending upon application and location.