



September 5, 2024

Office of the Illinois State Fire Marshal  
Division of Petroleum and Chemical Safety  
1035 Stevenson Drive  
Springfield, IL 62703

This letter is in reference to the following site:

Casey's #4509  
Casey's General Store #4509  
503 S. Main St.  
Lewistown, IL 61542

Parts and equipment listed are to have been manufactured within calendar year of this letter.

This letter affirms that the list of products referenced below is compatible with the following fuels.

**Compatible fuels:**

**E-15**

**Compatible equipment/models:**

**FMP-EIS-U  
FMP-ULS**

Sincerely

A handwritten signature in blue ink, appearing to read 'Loren Swalheim'.

Loren Swalheim  
Director, Global Relations  
Franklin Electric | Fueling Systems | Grid Solutions | EV Systems

# DIGITAL INVENTORY & LEAK DETECTION PROBES

Digital inventory and leak detection probes provide accurate tank level monitoring and reporting with optional leak detection capabilities. These probes employ digital communications and magnetostrictive position measurement technology for highly accurate tank readings.

## HIGHLIGHTS

- Models available for inventory control or inventory control with leak detection.
- Capable of precise leak detection, density measurement, and inventory monitoring.
- Suitable for use with gasoline, diesel, DEF/AdBlue®, and other manufacturer approved products.
- Bottom mounted installation for fast and simple install.
- Screw-in electrical connector provides quick installation or removal, eliminating the need to re-splice wires.
- Highly accurate digital communication between the probe and the tank gauge.
- Probes are available in many sizes that are suitable for all common tanks.
- Easily installed into 2", 3" or 4" riser pipes.

## SPECIFICATIONS

Operating Temperature	-40° to 140° F (-40° to 60° C)
Storage Temperature	-40° to 158° F (-40° to 70° C)
Accuracy	+/- 0.040" (1.0 mm) / +/- 1.0° C
Repeatability	±0.001" / +/- 0.03° C
Resolution	+/- 0.001" (0.025 mm) / +/- 0.01° C
Temperature Sensors	5 thermistors located in the shaft
Probe Cable	10' long three conductor cables with shields and polyurethane jacket
EVO™ Series Console Compatibility	EVO™ Series, TS-5, TS-550, TS-5000, Colibri®, TS-1001/2011/750/504/508
Fuel Compatibility	Diesel with or without biodiesel blends up to 5% (B5), diesel with biodiesel blends between 6% - 20% (B6 - B20), diesel with biodiesel blends between 97% - 100% (B99 - B100), gasoline with ethanol blends up to 10% (E10), mid-range ethanol/gasoline blends of (E15-20), high-range ethanol/gasoline blends (E51-83) commercially sold as E85
Approvals/Certifications	UL & cUL listed, ATEX, IECEx



Inventory & Leak Detection Probe (Shown with optional precision density diesel float kit)

Inventory Probe (Shown with optional 4" gas float kit)



# PHASE SEPARATION FLOAT KITS

2" and 4" phase separation float kits detect both water and phase separation with a single float kit. The water and phase separation detection float kit allows you to effectively manage product levels as well as alert you of water or phase separation levels in your tanks, preventing either from reaching customer's vehicles.



## HIGHLIGHTS

- Optional float kit for gasoline and ethanol blend users.
- Product float determines fuel level.
- Water float will rise with the presence of water or phase separated fuel.
- Simple single-float solution for both water and phase separation.
- Improved minimum water level detection capability.
- Allows you to easily shut down a submersible pump before water or phase separation reaches the customer's vehicle.

## SPECIFICATIONS

Risers	Designed for applications using 2" or 4" risers
Floats	Each float kit contains both product float and water and phase separation float
Fuel	Appropriate for use with gasoline and ethanol blends up to E15
Probes	Compatible with all FE probes
EVO™ compatibility	Options available for EVO™ Series consoles

## ORDERING INFORMATION

Model	Description
TSP-IGF2P	2" phase separation float kit for gasoline and up to E15
TSP-IGF4P	4" phase separation float kit for gasoline and up to E15

