

# Fuel Tanker Overfill Detection

## Checkmate Overfill Detection Systems (Top Detection Only)

### Features & Benefits:

- FloTech brand overfill system kits provide everything needed to install a new overfill system on your tank. One to eight compartment kits are available from our inventory. Systems include: 1 FT208 monitor, 1 FT151 overfill sensor per compartment, FT404 cable and FT402 strain reliefs (cable glands).
- Other probe lengths are available

Part #	Description
<b>FT2801</b>	Checkmate, 1 compartment system (top only)
<b>FT2802</b>	Checkmate, 2 compartment system (top only)
<b>FT2803</b>	Checkmate, 3 compartment system (top only)
<b>FT2804</b>	Checkmate, 4 compartment system (top only)
<b>FT2805</b>	Checkmate, 5 compartment system (top only)
<b>FT2806</b>	Checkmate, 6 compartment system (top only)
<b>FT2807</b>	Checkmate, 7 compartment system (top only)
<b>FT2808</b>	Checkmate, 8 compartment system (top only)
<b>FT2801-12</b>	Checkmate, 1 compartment system (top only) - 12" probes
<b>FT2802-12</b>	Checkmate, 2 compartment system (top only) - 12" probes
<b>FT2803-12</b>	Checkmate, 3 compartment system (top only) - 12" probes
<b>FT2804-12</b>	Checkmate, 4 compartment system (top only) - 12" probes
<b>FT2805-12</b>	Checkmate, 5 compartment system (top only) - 12" probes
<b>FT2806-12</b>	Checkmate, 6 compartment system (top only) - 12" probes
<b>FT2807-12</b>	Checkmate, 7 compartment system (top only) - 12" probes
<b>FT2808-12</b>	Checkmate, 8 compartment system (top only) - 12" probes

Please refer to chart on pages 58 - 62 for cross references to other manufacturer part numbers.



Overfill  
Products

## FloTech Checkmate Overfill/Retain Black and White 2 Wire System Checkmate Overfill and Retain Detection Systems

### Features and Benefits:

- FloTech brand overfill system kits provide everything needed to install a new overfill system on your tank. One to eight compartment kits are available from our inventory. Systems include: 1 FT208 monitor, 1 FT151 overfill sensor and 1 FT152 retain sensor per compartment, FT404-150 cable and FT403 strain reliefs (cable glands).
- Other probe lengths are available

Part #	Description
<b>FT2811</b>	Checkmate, 1 compartment system (overfill & retain)
<b>FT2812</b>	Checkmate, 2 compartment system (overfill & retain)
<b>FT2813</b>	Checkmate, 3 compartment system (overfill & retain)
<b>FT2814</b>	Checkmate, 4 compartment system (overfill & retain)
<b>FT2815</b>	Checkmate, 5 compartment system (overfill & retain)
<b>FT2816</b>	Checkmate, 6 compartment system (overfill & retain)
<b>FT2817</b>	Checkmate, 7 compartment system (overfill & retain)
<b>FT2818</b>	Checkmate, 8 compartment system (overfill & retain)
<b>FT2811-12</b>	Checkmate, 1 compartment system (overfill & retain) - 12" probes
<b>FT2812-12</b>	Checkmate, 2 compartment system (overfill & retain) - 12" probes
<b>FT2813-12</b>	Checkmate, 3 compartment system (overfill & retain) - 12" probes
<b>FT2814-12</b>	Checkmate, 4 compartment system (overfill & retain) - 12" probes
<b>FT2815-12</b>	Checkmate, 5 compartment system (overfill & retain) - 12" probes
<b>FT2816-12</b>	Checkmate, 6 compartment system (overfill & retain) - 12" probes
<b>FT2817-12</b>	Checkmate, 7 compartment system (overfill & retain) - 12" probes
<b>FT2818-12</b>	Checkmate, 8 compartment system (overfill & retain) - 12" probes

Please refer to chart on pages 58 - 62 for cross references to other manufacturer part numbers.



# Fuel Tanker Overfill Detection

## FloTech Checkmate Overfill/Retain Black & White 2 Wire System Monitor, Overfill Sensors, Replacement Probes and Retain Sensors



FT208



FT151



FT152

### Checkmate Onboard Monitors

#### Features and Benefits:

- Easy to follow programming guide for up to eight compartments top only or top and bottom service with the same monitor
- Monitor can be programmed up to 100,000 times without sending it back to the factory
- Stainless steel terminal blocks resist rusting of contacts
- Stainless steel hardware is used on all products
- Powder coated color matched components for exceptional appearance
- Auxiliary input for Hobbs type switches
- Power control relay output
- Drop-in compatibility with competitors products, see compatibility chart on pages 58 - 62.
- Wide input power 12-24 VDC
- Monitors include advanced diagnostic capabilities as well as signal translation abilities for all socket types (optic, thermistor or float). The system offers true load at any rack compatibility.

#### Available integrated options:

- Optional FloTech Data Link™ feature (patent pending) is only available on Checkmate model onboard monitors. Data Link™ gives maintenance staff the ability to download the performance and diagnostic history of the overfill system. Plug the FloTech hand-held diagnostic terminal, into the Checkmate monitor and download to your PC. A time and date stamped report is generated, showing the history of every wetted or failed sensor, rack connection, auxiliary input and load/unload data.

See page 138 for repair kits and replacement parts.  
Please refer to chart on pages 58 - 62 for cross references to other manufacturer part numbers.

Part #	Description
<b>FT208</b>	Checkmate programable monitor and housing
<b>FT207</b>	Checkmate programable replacement monitor only (no housing)

### Overfill Detection Sensors

#### Features and Benefits:

- The FloTech thermo-optic 2 wire probe is electronically and mechanically compatible for drop-in replacement of other commonly used 2-wire probes with black and white wires. Providing the fast response and reliability of optic technology in a thermistor application.
- Custom probe lengths available upon request
- The sensor housing contains a black and white 2 wire probe in a cast aluminum housing. The sensor housing has a 2" NPT mounting thread, heavy duty stainless steel hardware, and FKM probe seal. Install into either a 2" NPT threaded port or 2-3/8" diameter tank opening using the gasket and locking nut provided.

Part #	Description
<b>FT151</b>	Housing with 7" black and white 2 wire overfill detection probe
<b>FT151-12</b>	Housing with 12" black and white 2 wire overfill detection probe
<b>FT151-18</b>	Housing with 18" black and white 2 wire overfill detection probe

### Replacement Probes

Part #	Description
<b>FT150</b>	Replacement 7" black and white 2 wire overfill detection probe
<b>FT150-12</b>	Replacement 12" black and white 2 wire overfill detection probe
<b>FT150-18</b>	Replacement 18" black and white 2 wire overfill detection probe

### Retain Sensors

#### Features and Benefits:

- Retain sensors inform the loading terminal if the tank compartments are empty, or if there is product left in the tank prior to re-loading the tank (product has been retained).
- Sensor is shipped with a 1/2" NPT weld-on aluminum half coupling for mounting. The main sensor portion is stainless steel to prevent galling in the tank. The wiring box is nylon to prevent corrosion and is removable to facilitate installation. Our three port housing design is compatible with previous inline and parallel dual port housing.

Part #	Description
<b>FT152</b>	Housing with black and white 2 wire retain probe (see page 136 for repair kits and replacement parts)

Product instruction sheets and technical data can be viewed on our website at [dixonbayco.com](http://dixonbayco.com) by selecting the "Resources" menu

Biofuel Compatible 