


Fuel Tanker Overfill Detection

FloTech™ API Optic Overfill Detection (5 Wire) Systems

Application:	The FloTech™ API Optic 5 wire system is perfectly suited for both new and existing tank installations. The components have a long list of features which make them more reliable than competitor products; the result is years of trouble free service. The FloTech™ API Optic 5 wire system is a conventionally wired system, which requires wiring connections to be made using crimp connectors. If a simple plug together system is desired, please see our Checkmate Plug-n-Play system as shown on pages 39 thru 45.
Materials:	Dependent upon the component, see each product section for materials
Features & Benefits:	<ul style="list-style-type: none"> • See the features and benefits of each of the system components • Biofuel compatible up to E100 (100% Ethanol) and B100 (100% bio diesel) 

FloTech™ API Optic Overfill Detection (5 Wire) Systems (Top Detection Only)




Features & Benefits:	<ul style="list-style-type: none"> • FloTech™ brand overfill system kits provide everything needed to install a new overfill system on your tank. One to six compartment kits are available from our inventory. System includes: 1 FT103 monitor, 1 FT101 overfill sensor per compartment, FT300 open socket, FT400 cable and FT402 strain reliefs (cable glands). • Other probe lengths are available
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Part #	Description
FT1001	API optic 5 wire, 1 compartment overfill detection system (top only) - 7" probes
FT1002	API optic 5 wire, 2 compartment overfill detection system (top only) - 7" probes
FT1003	API optic 5 wire, 3 compartment overfill detection system (top only) - 7" probes
FT1004	API optic 5 wire, 4 compartment overfill detection system (top only) - 7" probes
FT1005	API optic 5 wire, 5 compartment overfill detection system (top only) - 7" probes
FT1006	API optic 5 wire, 6 compartment overfill detection system (top only) - 7" probes
FT1001-12	API optic 5 wire, 1 compartment overfill detection system (top only) - 12" probes
FT1002-12	API optic 5 wire, 2 compartment overfill detection system (top only) - 12" probes
FT1003-12	API optic 5 wire, 3 compartment overfill detection system (top only) - 12" probes
FT1004-12	API optic 5 wire, 4 compartment overfill detection system (top only) - 12" probes
FT1005-12	API optic 5 wire, 5 compartment overfill detection system (top only) - 12" probes
FT1006-12	API optic 5 wire, 6 compartment overfill detection system (top only) - 12" probes
Straight systems without monitor- Wire directly to socket	
FT901	API optic 5 wire straight, 1 compartment overfill detection system (top only) – 7" probes
FT902	API optic 5 wire straight, 2 compartment overfill detection system (top only) – 7" probes
FT903	API optic 5 wire straight, 3 compartment overfill detection system (top only) – 7" probes
FT904	API optic 5 wire straight, 4 compartment overfill detection system (top only) – 7" probes
FT905	API optic 5 wire straight, 5 compartment overfill detection system (top only) – 7" probes

Please refer to chart on pages 70 thru 73 for cross references to other manufacturer part numbers.

Product instruction sheets and technical data can be viewed on our website at dixonvalve.com

Biofuel Compatible 

Fuel Tanker Overfill Detection

FloTech™ API Optic Overfill Detection (5 Wire) Systems Replacement Parts

Onboard Monitors

<p>Features & Benefits:</p>	<ul style="list-style-type: none"> • Stainless steel terminal blocks resist rusting of contacts • Stainless steel hardware is used on all products • Powder coated color matched components for exceptional appearance • Drop-in compatibility with competitors products, see compatibility chart on pages 58 - 62. • Signal translation ability, allows the connection all socket types (optic, thermistor or float). The system offers true load at any rack compatibility.
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FT103

Part #	Description
FT102	FloTech™ API Optic 5 wire replacement monitor only (no housing)
FT103	FloTech™ API Optic 5 wire monitor and housing

See page 153 for repair kits and replacement parts

Overfill Products

Overfill Detection Sensors

<p>Features & Benefits:</p>	<ul style="list-style-type: none"> • The FloTech™ API optic 5 wire probe is electronically and mechanically compatible for drop-in replacement of other commonly used 5 wire probes. • Custom probe lengths available upon request • The sensor housing contains a 5 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.
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FT101

Part #	Description	Replacement Probes
FT101	housing with 7" - 5 wire overfill detection probe	FT100
FT101-12	housing with 12" - 5 wire overfill detection probe	FT100-12
FT101-18	housing with 18" - 5 wire overfill detection probe	FT100-18

See page 149 for repair kits and replacement parts.
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