



Liberty Overfill Prevention Systems

Security During Loading and Unloading Procedures

The OPWFTG Civacon Liberty

The OPWFTG Civacon Liberty overfill prevention system is designed for tank trucks, tank-truck loading stations (for top and bottom loading), storage depots and service stations. In the event of a possible overfill situation sensed by the Liberty sensors, the Liberty rack monitors output relay will send a signal to a terminal automation system, control valve, or pump, to shutdown the loading operation.

The Liberty

The Liberty failsafe and self-checking electronic sensors are available as 2-wire Thermistor, 2-wire quick start Optic, or 5-wire Optic. The Liberty on-board control monitors, with diagnostic display, offer 2-wire and 5-wire optic sensor compatibility with all other brands of rack monitors.



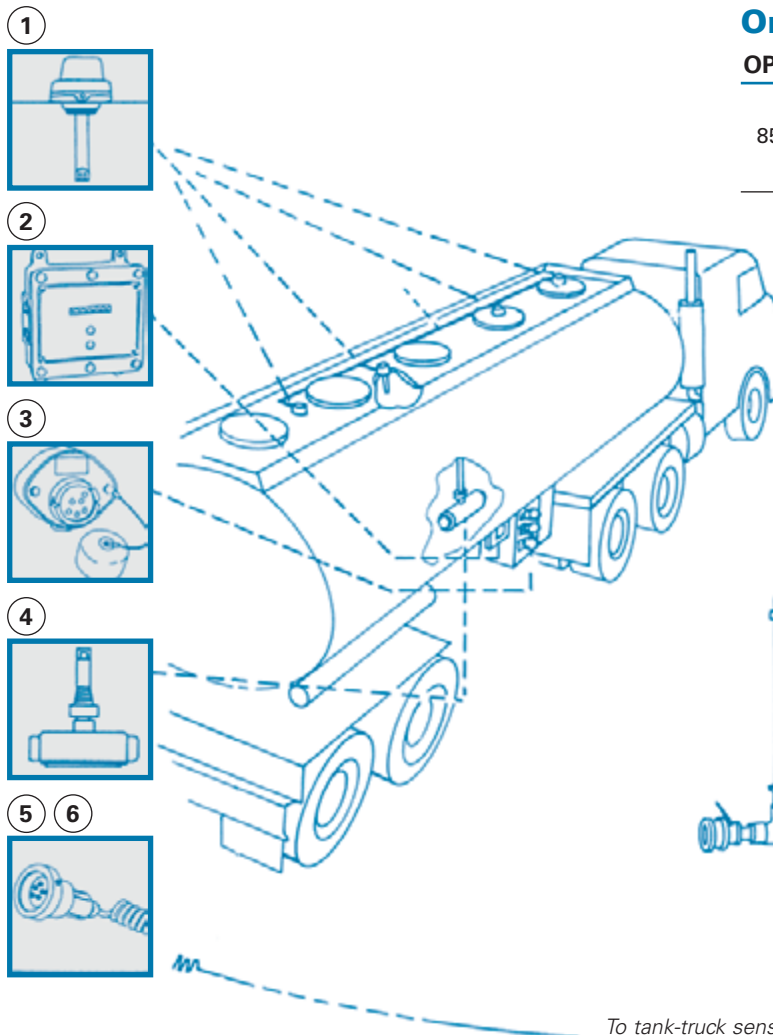
The ROM

The ROM on-board system combines overfill with retain feature of detecting presence of liquid in a compartment prior to loading. All on-board monitors can also be used as stand-alone truck system to close down tank-truck bottom valves in case of an overfull situation. The Liberty system conforms to Atex, Cenelec, and EN standards.

Ordering Specifications

OPW Liberty Overfill Prevention Systems

8500E	8-Channel thermistor and 12-Channel optic monitor with diagnostic display and infrared by-pass switch. Including ground verification.
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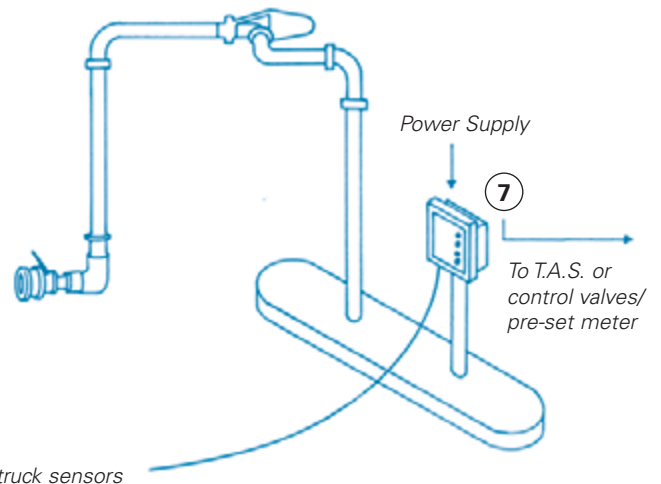


Trailer Equipment List

- 1 | Sensor(s): (One Per Compartment) Plus Sensor Cable
- 2 | On-board Control Monitor / ROM
- 3 | Rack-Compatible Socket(s)
- 4 | Retain Bottom Sensor

Loading Rack Equipment

- 5 | Rack Monitor
- 6 | Connecting Plug
- 7 | Plug/Monitor Cord Set





ROM II Plus™ Retained—Overfill On-Truck Monitoring System

Features and Benefits

- Overfill Detection and Bottom Empty Monitoring in one unit
- ROM II Plus on truck monitor with top and bottom compartment sensors, compatible with all industry standard sensor/rack monitor formats
- Alerts driver of product in a compartment, loading cannot proceed without activation of the reset circuit
- Bottom sensor override timer automatically cancels timing when plug removed from socket
- ROM II Plus monitor automatically closes bottom valves for added overfill prevention
- Support for up to 8 compartment tankers using 2-wire optic overfill and bottom sensors
- Support for up to 12 compartment tankers using 5-wire optic overfill sensors only.
- Number of installed sensors automatically “programmed” and blocked at installation
- Compatible with four separate auxiliary input devices (such as brake interlock, vapor return hose connection, etc.), with individual LED confirmation
- Includes LED socket connection status for proper connection assurance



Status indications of LEDs per compartment:

- | | |
|------------------------|--------------------------------------|
| 1 - Overfill situation | <i>Steady red light</i> |
| 2 - Wire shortcuts | <i>One flash every 5 seconds</i> |
| 3 - No Grounding | <i>Two flashes every 5 seconds</i> |
| 4 - Shorted Sensors | <i>Three flashes every 5 seconds</i> |

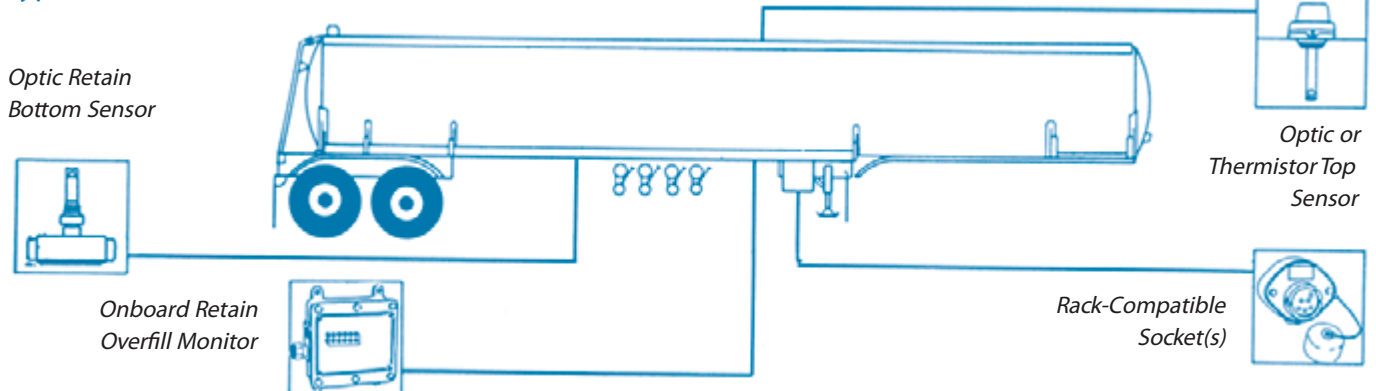


Ordering Specifications

Retained—Overfill On-Truck Monitoring System

3204E	ROMII Plus 8 compartment on-board monitor
8500E	8-Channel thermistor and 12-channel optic monitor with diagnostic display
1051	ROM 2-wire optic sensor
1551	2-Wire optic sensor quick start
1000R	ROM 2-wire retain bottom sensor

Typical Installation



Distributed By:



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