



TERMINAL OVERFILL PREVENTION / RACK CONTROL ADD-ON

ONE CONNECTED SYSTEM. FROM COMPARTMENT TO RACK.

TrueFill PRO combines continuous level measurement from top to heel and terminal overfill prevention into one system. FINCH III onboard monitor verifies every compartment and returns permissive or non-permissive status through your existing API socket.

1 PROBE

per compartment, which replaces also having an additional optic overfill sensor and retain sensor

±2 MM

accurate guided-wave radar measurement from top to heel, delivered tank-side in real-time

ZERO

moving parts, wetted electronics or routine maintenance, keeping your fleet moving

ONE CLEAR STATUS AT THE RACK. LESS EQUIPMENT TO MANAGE.

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TrueFill PRO connects real-time measurement per compartment + the required rack status signals.

One system will continuously measure every compartment, detect retained product, confirm it the truck's conditions, and send a permit or non-permit signal to the rack. Our system works with any API socket, a Truck Identified Module (TIM), while working with the socket, TIM, and vapor vents already on the truck.

By combining measurement, retain detection, and load-permit intelligence, TrueFill PRO means fewer components to spec, install, and fewer service points to support and maintain.

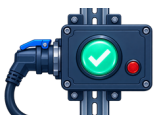
ALL IN ONE SOLUTION

ONE PROBE PER COMPARTMENT.
ONE ONBOARD MONITOR.
ONE CLEAR LOADING DECISION.



LOAD TO SAFE CAPACITY

Real-time level readings to represent the available capacity in every compartment, accessible on the FINCH III onboard monitor. Not a high point and a low point — the entire transfer, as it happens.



PREVENT OVERFILLS AT THE RACK

The onboard monitor (FINCH III) gives the rack its permissive or non-permissive signal through the truck's existing API socket, with fail-safe alarms and shutdowns.



MEASURE WHAT REMAINS

Retained product is detected and measured from the same probe before the next load or product change. No additional sensor required to weld into each compartment.



CLEAR DIAGNOSTICS

Compartment levels, alarms, and system status visible per compartment - not just a light at the rack.



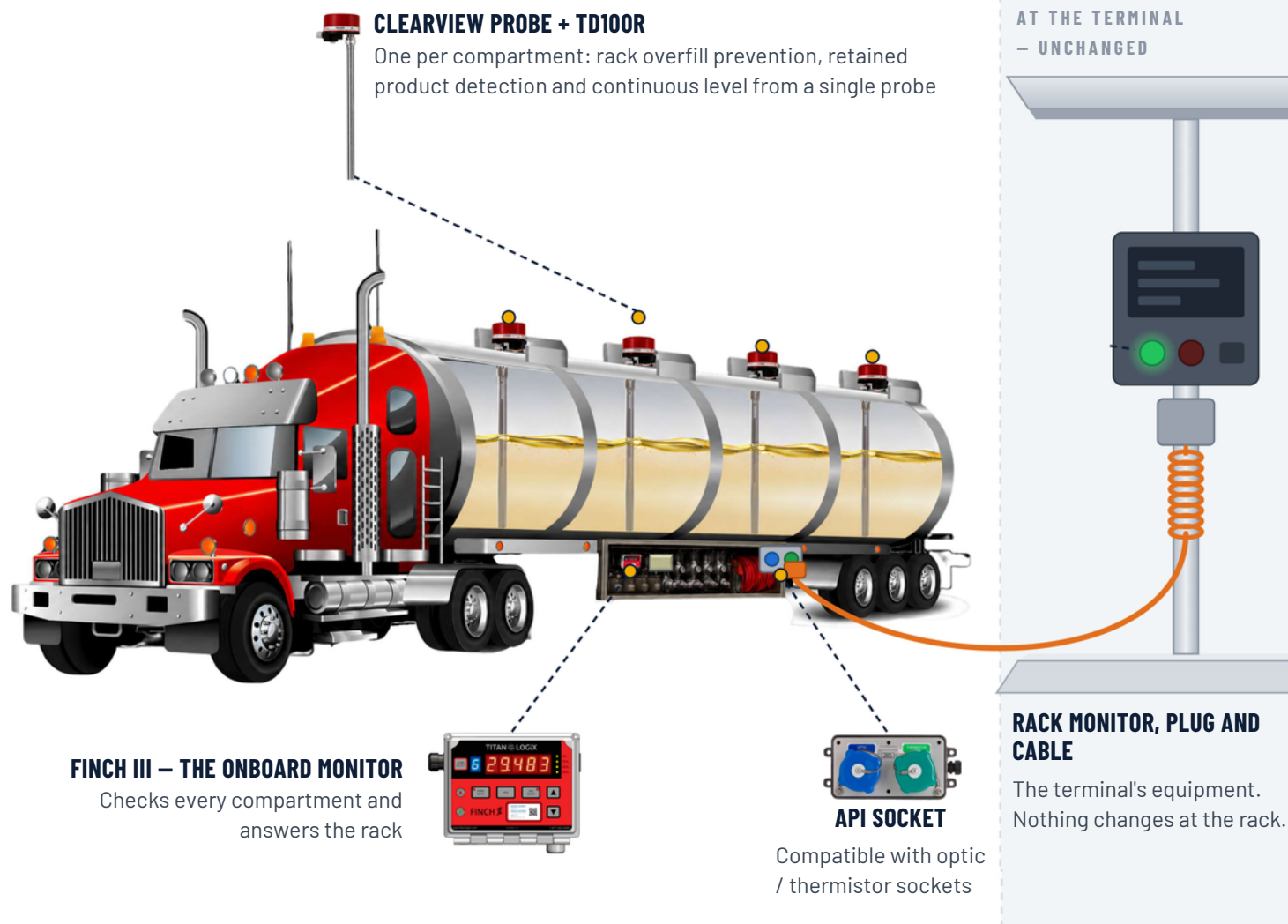
ENHANCED RELIABILITY

Solid-state guided-wave radar: no moving parts, no wetted electronics and no routine maintenance. Fewer devices to install, inspect and troubleshoot.

LIVE CONDITIONS DRIVE THE LOAD DECISION.

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TrueFill PRO checks the assigned load against live conditions in every required compartment, then returns a permissive or non-permissive signal to the rack through the existing API socket. The rack receives the overfill status required to know before product moves, while continuous measurement remains active through the fill.



**ONE TRUCK-SIDE SYSTEM.
A CLEAR ANSWER AT THE RACK.**

PERMIT

NON-PERMIT

REPLACES THE ONBOARD MONITOR

The onboard monitor is the truck's rack control. FINCH III takes its place and reads the probes directly.

STANDARD SOCKETS

Works through industry-standard 5-wire optic and 2-wire thermistor sockets.

UP TO SIX COMPARTMENTS

One FINCH III reads and permits up to six compartments, tank-side.

FEWER SYSTEMS. MORE FROM EVERY COMPARTMENT.

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A conventional setup can use separate equipment for optic overfill, retained-product detection, onboard monitoring, and continuous gauging. TrueFill PRO uses one probe per compartment and one onboard system to perform those jobs together.

WHAT IS REPLACED HARDWARE NO LONGER REQUIRED



OPTIC OVERFILL SENSOR

One per compartment, each fixed at a single trip height.



RETAIN SENSOR

A second sensor at the compartment bottom, notifies presence, not quantity.



ONBOARD MONITOR

The truck's rack-control unit, which answers the rack.

WHAT IS ADDED ONE TITAN SYSTEM



ONE FINCH III ONBOARD MONITOR

Real-time compartment information and terminal-overfill status in one place.

ONE CLEARVIEW PROBE + TD100R TRANSMITTER PER COMPARTMENT

Continuous level, measured retain, early warning, and rack shutdown from the same solid-state probe.

WHAT STAYS THE SAME THE ECOSYSTEM YOU ALREADY HAVE



API SOCKET

Your existing industry-standard optic and thermistor API sockets connects directly to the TrueFill PRO.



TRUCK ID MODULE (T.I.M.)

No additional configuration required for your T.I.M. to work with TrueFill PRO.



VAPOR VENTS

The same vapor vent interlock requirements are monitored through the FINCH III onboard monitor.

At the terminal. Same rack monitor, same plug and cable, same permissive signal, and the rack still runs its own ground and truck-ID checks.

CONTINUOUS MEASUREMENT. CONTROLLED TRANSFERS.

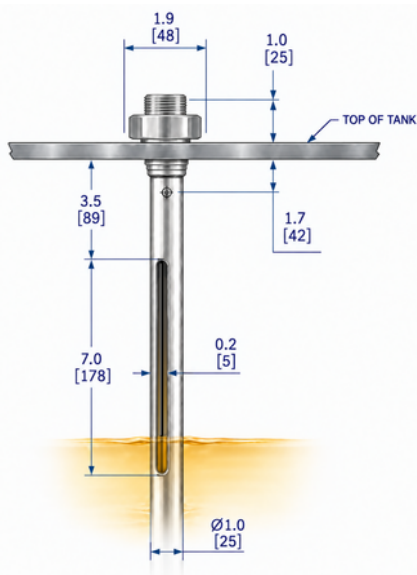
Each compartment includes its own probe and strapping table, measuring levels, available capacity, and retained product in real-time. Configure warning and overfill shutdown levels in software to match the required outage.

**CONFIGURABLE TO THE REQUIRED OUTAGE LEVEL AND COMPATIBLE WITH
TRADITIONAL WET-TEST VERIFICATION.**



FAIL-SAFE BY DESIGN

A rack-shutdown condition, failed required check, system error, or loss of power removes permissive.



WET-TEST THE OVERFILL SHUTDOWN LEVEL

The 7 inch open slot matches a conventional optic sensor, so the existing wet-test procedure carries over unchanged.

Contact the inner rod through the slot and move the test wire to the configured shutdown level.

The onboard monitor (FINCH III) identifies the shutdown level and returns the required non-permissive signal required for terminal verification.

THE MEASUREMENT STANDARD
IN BULK LIQUID TRANSPORT.

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HOW IT COMPARES

	CONVENTIONAL OVERFILL SYSTEM	TRUEFILL PRO
Level Measurement	None	Continuous and real time, ±2 mm of accuracy displayed on the FINCH III
Overfill Prevention	Optic sensor at one fixed height	Rack-shutdown point set in software, with fail-safe alarms
Retained Product	A second sensor: present or not	The same probe detects product the second liquid touches the bottom of probe
Diagnostics	Permit light and sensor status	Real-time volume, error codes, volumes, alarms and the cause, by compartment
Maintenance	Floats and sensors to service or replace	No moving parts. No wetted equipment. Solid state – no routine maintenance
At the rack	The onboard monitor answers the rack	FINCH III onboard monitor answers the rack – same socket, same signal
On the truck	Sensors, monitor and gauge, often from several vendors	One connected TrueFill PRO Solution from Titan Logix

An add-on to TrueFill PRO. Rack Control builds on the TrueFill PRO base system – the same ClearView probes, TD100R transmitters and FINCH III onboard monitor, now answering the rack.

LET’S SIMPLIFY YOUR RETROFIT OR NEXT BUILD

TITAN LOGIX

Send Titan your liquid class, compartment count, and current system configuration.
We will confirm system fit and the right path forward.
sales@titanlogix.com · 1-877-462-4085 · titanlogix.com/truefill-pro-solution