



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. The FINCH III onboard monitor verifies every compartment and returns permissive or non-permissive status through your existing API socket.

1 PROBE

per compartment, replacing separate optic overfill and retain sensors

±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 on the road

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

TITAN  LOGIX

TrueFill PRO combines real-time, per-compartment measurement with the rack status signals terminals require.

One system continuously measures every compartment, detects retained product, confirms the truck's conditions, and sends a permissive or non-permissive signal to the rack. It works with the API socket, Truck ID Module (T.I.M.), and vapor vents already on the truck.

By combining measurement, retain product detection, and permissive logic, TrueFill PRO means fewer components to spec and install, and fewer service points to maintain.

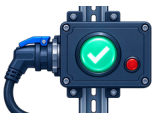
ALL-IN-ONE SOLUTION

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



LOAD TO SAFE CAPACITY

Real-time level readings show the available capacity in every compartment on the FINCH III onboard monitor, measured continuously throughout the transfer.



PREVENT OVERFILLS AT THE RACK

The FINCH III onboard monitor sends 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 to weld into each compartment.



CLEAR DIAGNOSTICS

No more guessing with a non-permissive light. The FINCH III shows the specific alarm, error code, and affected compartment, so issues are found and resolved quicker.



ENHANCED RELIABILITY

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

FEWER SYSTEMS. MORE FROM EVERY COMPARTMENT.

TITAN  LOGIX

A conventional setup typically uses separate equipment for optic overfill, retained-product detection, onboard monitoring, and continuous gauging. TrueFill PRO uses one probe per compartment and one onboard monitor 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 bottom of each compartment that detects 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, retained product measurement, 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/thermistor API sockets connect directly to the FINCH III onboard monitor.



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.

LIVE CONDITIONS DRIVE THE LOAD DECISION.

TITAN LOGIX

TrueFill PRO checks the assigned load against live conditions in every compartment, then sends a permissive or non-permissive signal to the rack through your existing API socket. Continuous level measurement, error detection, and alarms stay active through the entire fill.

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

PERMISSIVE

NON-PERMISSIVE



No terminal changes

No new rack hardware

Same plug, same process

GREEN LIGHT TO LOAD AT THE RACK. EVERY COMPARTMENT VERIFIED.

The FINCH III onboard monitor checks every compartment, answers the rack through your existing API socket, and keeps measuring through the loading process so the transfer stops at the required outage.

HOW TRUEFILL PRO LOADS AT THE RACK

01 CONNECT

The driver connects the rack plug and cable to the truck's existing optic or thermistor API socket.

02 CHECK

FINCH III checks every compartment against six conditions, tank-side, before product moves.

03 LOAD

With every check clear, FINCH III provides the permissive signal. The rack runs its own ground and truck ID checks, then product flows.

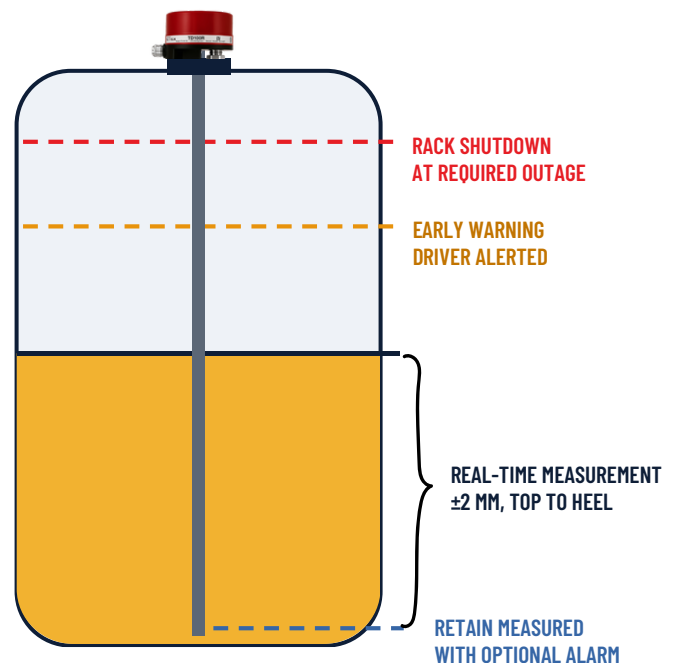
WHAT FINCH III CHECKS

- ✓ Powered on, every compartment confirmed
- ✓ Zero system errors
- ✓ No active alarms
- ✓ Product level below the rack shutdown point
- ✓ No retained product detected
- ✓ Vapor vent interlock requirements met

FAIL-SAFE BY DESIGN

- **Permissive:** every check passes and the rack allows product flow.
- **Non-permissive:** a failed check, system error, active alarm, rack shutdown condition or loss of power stops product flow. FINCH III shows the driver the alarm or error by compartment.

ONE PROBE. EVERY SET POINT.



Shutdown and warning points are set per compartment. Live levels and retained product are measured by the same probe.

CONFIGURED IN SOFTWARE. WET-TEST COMPATIBLE.

The rack shutdown point is set to the required outage in Titan Install and Titan Portal and configured to meet each compartment's requirements. TrueFill PRO is compatible with traditional wet-test verification and meets API RP 1004 standards. FINCH III is an intrinsically safe solution at the rack.

THE MEASUREMENT STANDARD IN BULK LIQUID TRANSPORT.



HOW IT COMPARES

FEATURE	CONVENTIONAL OVERFILL SYSTEM	TRUEFILL PRO
Level Measurement	None from the overfill system (separate gauge required)	Continuous, real-time, ± 2 mm accuracy, shown on the FINCH III
Overfill Prevention	Optic sensor at one fixed height	Rack shutdown point set in software, with fail-safe alarms
Retained Product	Separate sensor, indicating wet/dry only	Same probe detects and measures any retained product
Diagnostics	Permit light and sensor status	Real-time level, alarms, and error codes, by compartment
Maintenance	Floats and sensors need regular service or replacement	No moving parts. No wetted electronics. No routine maintenance required.
Truck Equipment	Sensors, monitor, and gauge, often from several vendors	One connected TrueFill PRO system from Titan Logix

**Rack Control uses the same ClearView probes,
TD100R transmitters and FINCH III onboard monitor –**

NOW ANSWERING THE RACK

LET'S SIMPLIFY YOUR RETROFIT OR NEXT BUILD



- ➔ Let us know your liquid class, compartment count, and current system configuration.
- ➔ We'll confirm your system fit and the right path forward.

sales@titanlogix.com · 1-877-462-4085 · titanlogix.com/truefill-pro-solution