



TITAN TRUEFILL

FINCH III PRODUCT OVERVIEW

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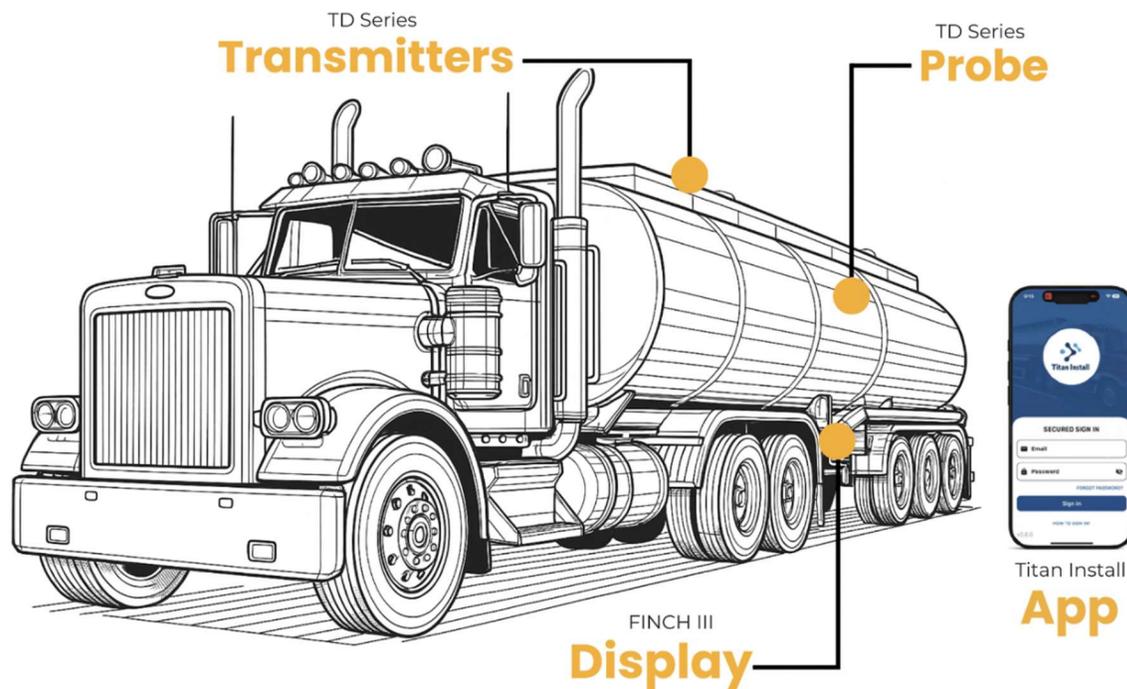
FINCH III - PRODUCT OVERVIEW

Titan Logix is committed to delivering the safest, most accurate, and most reliable mobile liquid measurement solutions in the industry. FINCH III is our next-generation display, built on the proven foundation of FINCH II and enhanced with modern connectivity, intrinsic safety, and integrated rack control—giving fleets more protection, more visibility, and less complexity.

FINCH III connects to up to six TD100 transmitters, enabling simultaneous, real-time monitoring of every compartment on the truck. Operators can view live tank levels and alarms for all compartments on a single display, while three high-power automotive relays control pumps, lights, and horns to ensure immediate response to any overfill or fault condition.

With native rack control and Intrinsic Safety (IS) certification, FINCH III eliminates the need for external rack control modules while meeting the most demanding hazardous-area requirements. And with wireless programming through Titan Install and Titan Portal, configuration and updates can be done quickly in the field—no programming cables, no laptop, and no downtime.

Titan Logix solutions are trusted across refined fuels, chemical, water, and aviation industries worldwide. FINCH III continues that legacy with a smarter, safer, and more efficient platform for modern fleets.



FINCH III VALUE PROPOSITIONS

FINCH III delivers **continuous, real-time tank level measurement across up to six compartments**, helping fleets maximize payloads, prevent overfills, and keep drivers, assets, and terminals protected.

By combining **guided wave radar accuracy, intrinsic safety, rack control, and mobile-based configuration**, FINCH III reduces hardware complexity, minimizes service time, and improves operational confidence—every load, every day.

Key Features & Capabilities

- **Up to 6 compartments on one display**
Simultaneous monitoring of all tanks—no additional modules required.
- **Failsafe overfill prevention**
Multiple layers of protection to deny loading when unsafe conditions are detected.
- **Continuous level measurement**
Real-time, millimeter-level resolution for precise volume tracking.
- **Integrated rack control**
No external rack control hardware required—everything is built into FINCH III.
- **Standard API socket compatibility**
Works with any industry-standard API optic/thermistor socket—no proprietary connectors.
- **Retain detection (ClearView probe)**
Prevents loading when product remains in the tank, reducing overfill risk.
- **Fault-based load denial**
Automatically blocks loading if wiring, sensors, or system faults are detected.
- **Built-in RS-232 & RS-485**
Supports third-party integrations such as LCRiQ meters.
- **Three high-power relays**
Control pumps, lights, and horns directly from FINCH III.
- **Audible and visual alarms**
Immediate driver and rack feedback during loading.
- **Intrinsically Safe (IS) certified**
Approved for hazardous locations.
- **Mobile and cloud configuration**
Titan Install and Titan Portal eliminate cables, laptops, and unnecessary service visits.

COMPETITIVE ADVANTAGE

FINCH III is more than just overfill protection—it is a **complete compartment monitoring and rack control platform** designed to increase safety, maximize payloads, and reduce operational friction.

- **Carry fuller, safer loads** with precise, real-time tank level data
- **Reduce downtime** with wireless configuration and sealed hardware
- **Eliminate extra hardware** with built-in rack control and communications
- **Increase accuracy** with continuous 1 mm (1/25”) resolution
- **Improve reliability** with no moving parts and proven GWR technology

FINCH III gives your fleet the confidence to load faster, carry more, and stay compliant—without adding complexity.

WHAT STAYS THE SAME: FINCH II > FINCH III



FINCH II



FINCH III

Feature	Description
Same dimensions & form factor	The FINCH III display has the same dimensions as the FINCH II and fits directly into the existing metal cabinet.
Familiar operator interface	Most button functions and operator workflows remain the same, minimizing retraining.
Rugged, weatherproof enclosure	Built to Type 4/4X (NEMA 4/4X) standards for proven durability in harsh environments.
7-digit high-visibility display	Bright, easy-to-read digits for clear viewing in all lighting conditions.
Guided Wave Radar (GWR) technology	Delivers the same highly accurate and reliable level measurements.
Compatible with existing probes	Supports dual rod, coaxial, and Hastelloy probes—no probe changes required.
Compatible with TD100 transmitters	Existing TD100 transmitters can be reused when upgrading to FINCH III (TD100 firmware version 6.x or later required).
Firmware updates in the field	Not required to take trucks out of service for significant periods of time.
Automatic compartment selection in alarm state	The compartment automatically displays when alarm is active.
Fill / Fall Alarms	Individual fill and fall alarms for each compartment, configurable by authorized operators.
CSA certified – Class I, Division II	Certified for use in hazardous environments following rigorous safety standards.

WHAT'S NEW WITH FINCH III



Feature	Description
A. LED %-of-tank indicator	Provides a quick visual of how full each tank is—no need to know total tank volume or do manual calculations.
B. Monitors up to 6 compartments simultaneously	Supports six compartments simultaneously, an increase from five when using FINCH II with the Rack Control Module.
C. Integrated rack control	No external hardware required for rack loading. FINCH III built in functionality and external LEDs provide clear rack status.
Retain Detection	Prevents loading if any retain is detected in a compartment. <i>Requires ClearView probe.</i>
Cable-free system programming	All configuration is done through the Titan Install mobile app. Programming cables and SensorLink are no longer required.
Reduced Downtime and service visits	Updates and changes are performed via Bluetooth using a mobile device, reducing the requirement to take trucks out of service for significant periods of time.
Simplified junction box wiring	All field wiring connects to the Titan Junction Box, eliminating complex and crowded wiring inside the display enclosure.
Standard API sockets	Uses industry-standard API connectors—no need to purchase proprietary Titan Logix sockets.
Sealed enclosure design	No rotary switches or dip switches for drivers. Once installed, the enclosure can remain sealed, reducing tampering and downtime.
Intrinsically Safe (IS)	Low-power design prevents sparks or heat that could ignite hazardous atmospheres.
Integrated RS232 & RS485	Built-in serial communications simplify third-party integrations, including direct connection to devices like LCRIQ.
3 high-use relays	Optimized relay layout for controlling pumps, lights, and horns—removing unused complexity from the FINCH II's four-relay design.

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Service and Repair

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