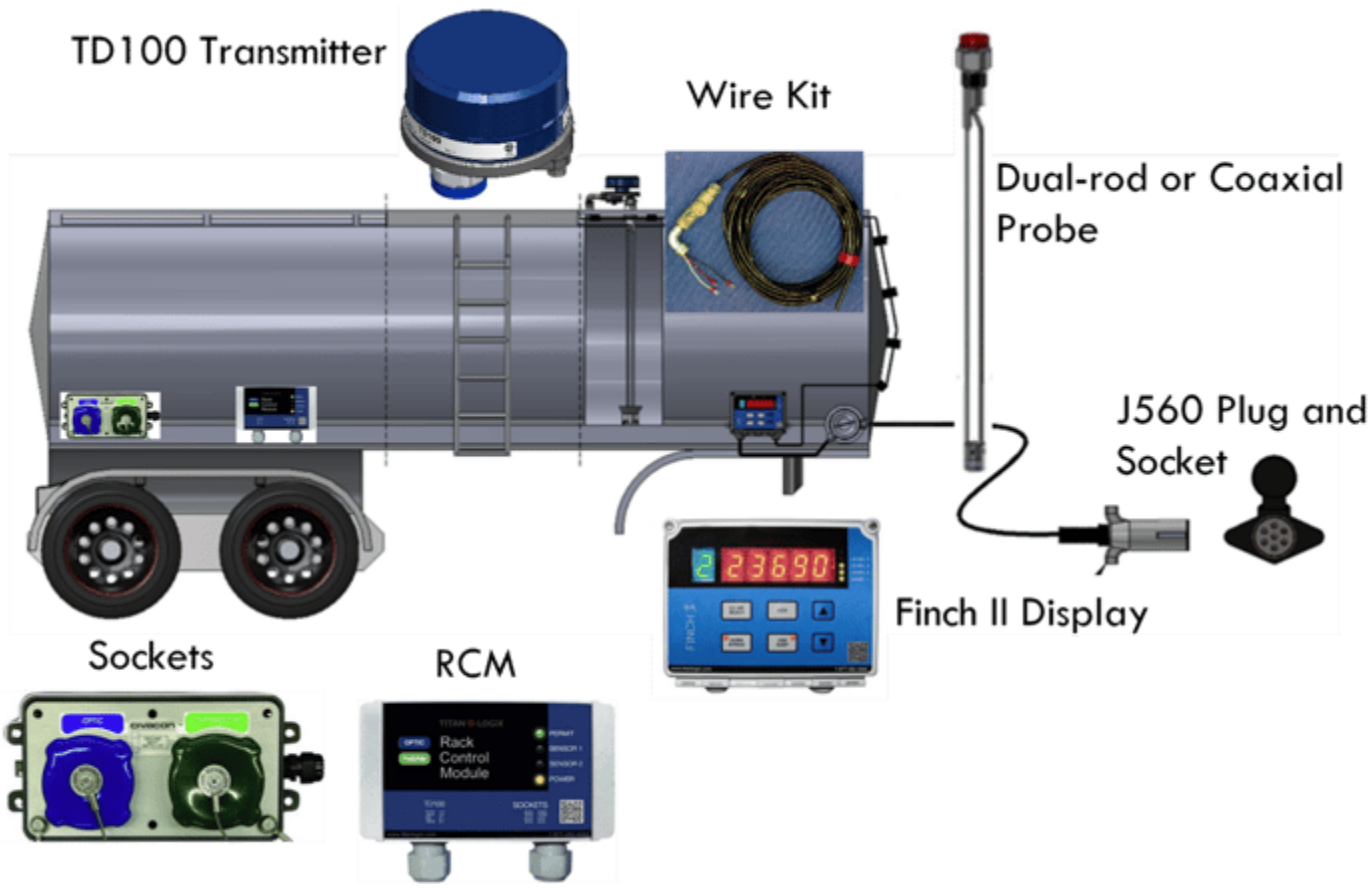
Operating the Rack Control Module (RCM)

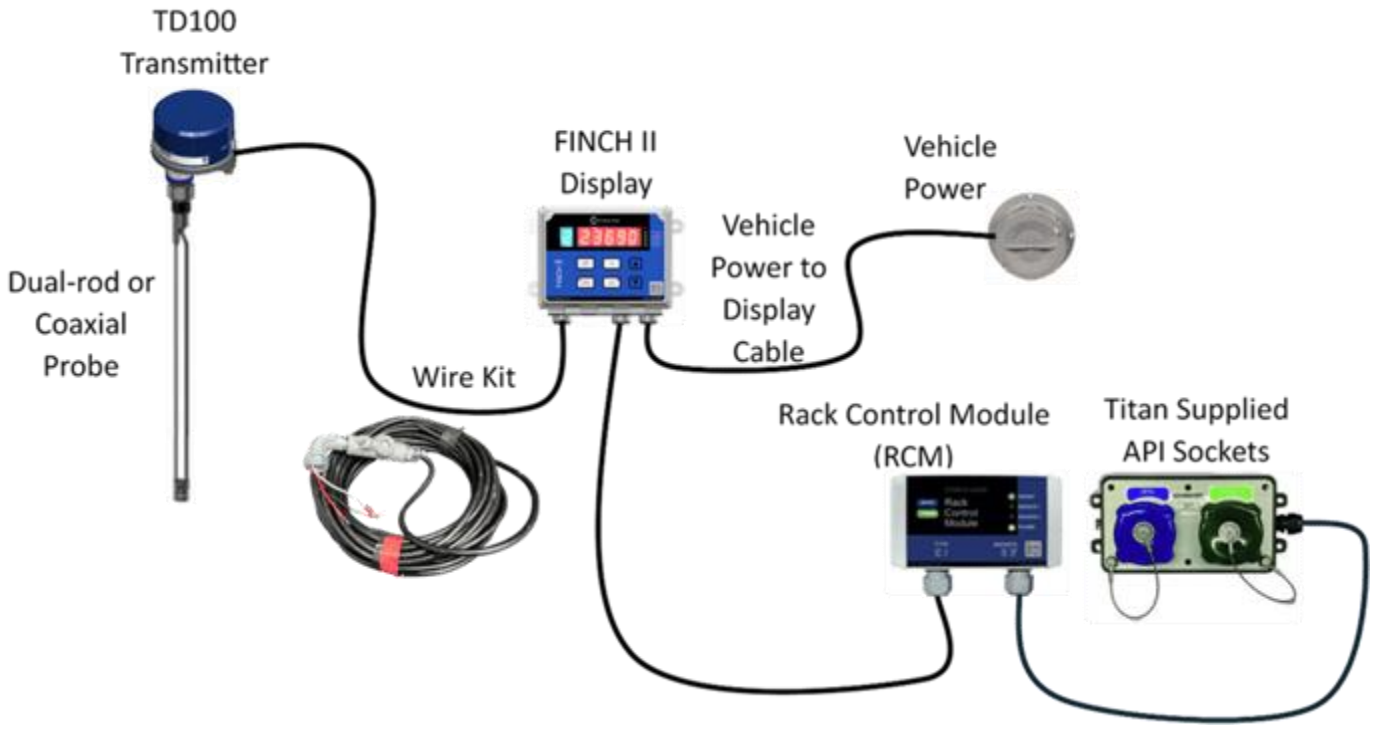
The TD100 System With Rack Control Overview

- The 4 main components for a basic TD100 system
  - TD100 Transmitter
  - Dual-rod or Coaxial Probe
  - Finch II Display. Note that Finch II-W and Finch II-6W are referred to as Finch II in this overview.
  - Wire Kit
- The rack control components
  - Rack Control Module (RCM)
  - Titan-Supplied Optic and Thermistor Sockets

Physical Location Diagram



Interconnection Diagram



RCM Operation

There are no operator controls.

The only thing a driver needs to do is check that the **Permit** light is **green** when you connect to the rack.

No lights or **red** Permit light **denies** loading at the rack.

Ensure all TD100 system **alarms** have been **cleared**.

RCM Description

The RCM and Titan-supplied Optic and Thermistor API sockets communicate with the rack controller.

The RCM **permits** or **denies** loading at the rack.

The RCM Permit light is green when all conditions reported by the TD100 system are safe for loading.

RCM Troubleshooting

The RCM automatically resets the **permit** light to **green** when the **HH** and **Spill** alarms have been cleared and **inactive** for over **1 minute** while the compartment is **empty**.

Incorrect system operation or **Error** codes **do not** automatically **reset** the permissive.

The fault must be resolved and then power to the RCM turned off and on to reset the permit light to **green.**

If the **permit** light remains **red** or off while the **Finch II** Display indicates that all conditions are safe:

- Turn the system **power off** and back **on** again.
- **Acknowledge** any active alarms.
- **Confirm** on the Finch II Display that no alarms are active.

If the permit light is not **green**, it's time to head back to the shop.