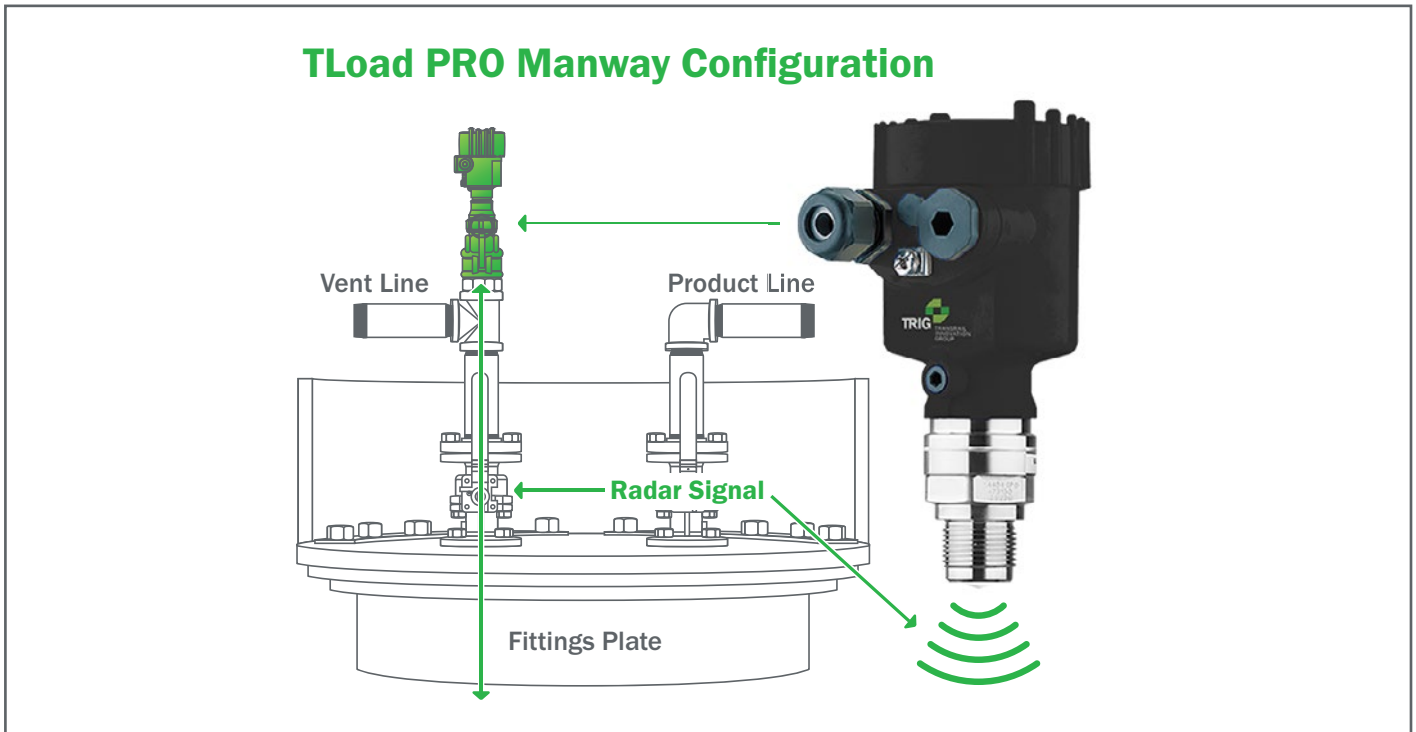


TLoad PRO: Non-Contact High Level & Outage Measurement for Rail Tank Car



Rail Tank Car Transloading Challenges

Industry standard high-level probes require contact with the commodity and are typically capacitance or vibration based, leading to several challenges in a transloading application:

- Operator handling and neglect often cause damage to contact based sensors which results in downtime due to troubleshooting and repairs.
- Traditional probes tend to be cumbersome due to their size and lack the appropriate physical protection to prevent damage to the probe tip.
- Contact-based probes are sensitive to condensation or residue build up and consequently false alarms. False alarms lead to operator frustration and greater downtime affecting the bottom line.
- Existing high-level probe technology provide limited information through their on/off state and can't adjust to different tank sizes without adjustments from the operator, leading to longer fill time.

TLoad PRO: Non-Contact High Level & Outage Measurement for Rail Tank Car



TLoad PRO Solution

Using our proven level probing radar technology to access real-time outage through the sensor, you can safely and efficiently manage the loading of rail tank cars.

Our non-contact solution offers a robust, compact, safe and easy to handle sensor that will significantly improve operator safety and terminal uptime compared to existing technologies.

The solution will see through layers of condensation, residue, and frost to give you greater measurement reliability. As well, the continuous outage measurement enables you to automatically adjust your critical high level for varying tank car sizes:

As part of our solution we will:

- Perform a site visit to analyze existing process performance;
- Engage with key stakeholders to determine appropriate configuration for TLoad installation, including reconfiguring your vent line to accommodate the sensor and RADAR signal;
- Work with your engineering team to implement and commission the sensors, integrated with existing terminal processes and data communication;
- Using insights gathered from sensor data, work with your operations team to benchmark existing processes and adjust to enhance your transloading efficiency.

Technical Data

Measuring range up to	30 m (98.42 ft)
Deviation	≤ 1 mm*
Process Fitting	1.5" NPT, 2" Camlock (Typical)
Process Pressure	-1 ... 25 bar (-100 ... 2500 kPa/-14.5 ... 362.6 psig)
Process Temperature	-196 ... +200 °C (-321 ... +392 °F)
Storage Temperature	-40 ... +80 °C (-40 ... +176 °F)
Operating Voltage	12 ... 35 V DC
Approvals	Hazardous Locations (ia), FCC
Communication	4 ... 20 mA/HART
Materials	Wetted parts: 316L, PP, PTFE or PEEK Process seal: FKM, FFKM, EPDM or PTFE

* Actual accuracy is dependent on fleet consistency and vent line fittings

Contact Us
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