

# TD80™

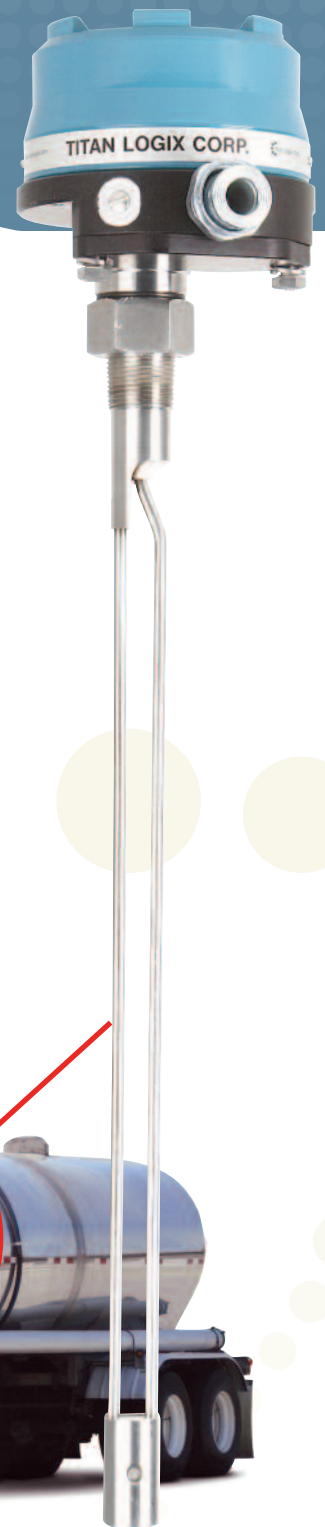
## RADAR LIQUID-LEVEL GAUGE & OVERFILL PREVENTION FOR MOBILE TANKERS

### APPLICATIONS

- Truck Mounted tanks
- Trailer Mounted tanks
- Marine Applications
- Railcar Loading
- Aircraft Refuelers

The TD80™ is built on GWR technology - "Guided Wave Radar": A high-speed electronic pulse is "launched" down the probe, reflects off the surface of the liquid and returns back up the probe, where the total "flight" time of the pulse is calculated and thus the level is measured. Traditional solutions involve either manual methods such as a dipstick or mechanical float based gauges. Using the TD80™, you now have access to modern radar technology with no moving parts! Liquid level/volume is shown on a digital display or monitoring unit, in user defined units (BBL, M3, etc), customized to the exact tank dimensions. Programmable overfill alarms can be used for pump control, loading rack shutdown, horns, etc. You no longer need to rely on high level probes or mechanical gauges that can be prone to failure and high maintenance costs.

- Proven on installations since 1999.
- Complete level measurement and overfill-prevention system, specifically designed for mobile tankers.
- Safety — Environmentally and Driver Safe with built-in alarms & displays to warn the driver of possible overfill.
- Easy to Maintain — No Floats, No Moving Parts.
- No Tank Entry or Cleaning Required to Service.
- Proven, Rugged, Reliable, & Accurate - Suitable for almost any liquid.



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# TD80™

## FEATURES

The TD80™ is the modern solution to an old problem – measuring and controlling liquid level/volume in a mobile tanker.

### Display Features

- Built-in programmable alarm points: Fill, High-High, Overfill/Spill Alert
- Helpful troubleshooting / error codes
- Easy to service
- Digital communications
- Finch 5332E is CSA & NRTL/C approved for hazardous areas (Class I, Div. 2)
- Displays level or volume

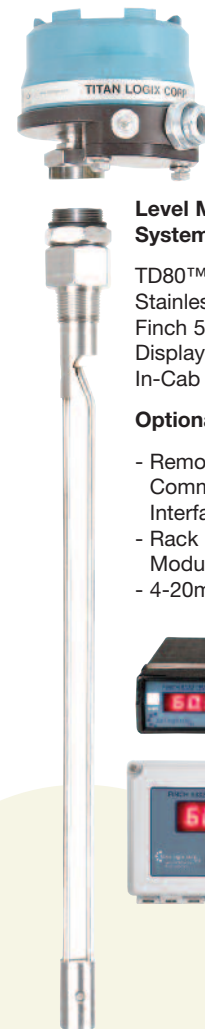
### Transmitter Features

- No float or moving parts
- High accuracy level measurement
- Environmental protection: Safe and reliable spill prevention
- Straightforward installation
- Not required to enter the tank if service is needed
- Highest quality, rugged, modular industrial design
- CSA & NRTL/C Approved for hazardous area Installations (Class I, Div. 1)
- Wide range corrosion resistance
- Electronics weather protected, moisture protected

- Accuracy not affected by the liquid's density or dielectric constant
- Can be installed in some existing fittings
- PC based programming of display values in any units to the shape of the tank (i.e. depth chart)
- Level/Volume data retained without requiring a battery
- Excellent performance at low temperatures
- Multiple displays with one transmitter
- Multiple transmitters with one display
- Wide range of liquids and applications

### Liquid Compatibility

- Crude Oil (sweet or sour service)
- Waste Liquids
- Water Transport
- Jet Fuel
- Diesel Fuel
- Hydrochloric or Sulphuric Acid
- Xylene, Toluene, Methanol
- Other Various Chemicals



### Level Measurement System Includes:

TD80™ Transmitter, Stainless Steel Probe, Finch 5332E Outdoor Display and/or 5332 In-Cab Display.

### Optional:

- Remote Communication Interface
- Rack Control Module
- 4-20mA Output



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