

TD80™

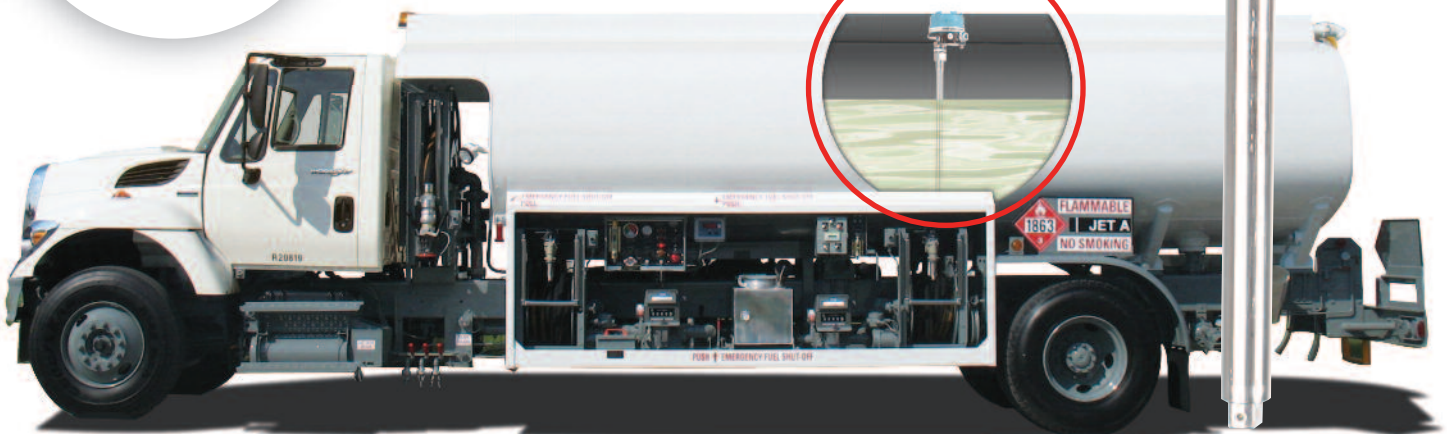
RADAR LIQUID-LEVEL GAUGE & OVERFILL PREVENTION FOR AIRCRAFT REFUELERS

APPLICATIONS

- Aircraft Refuelers
- Trailer Mounted Tanks
- Truck Mounted Tanks
- Crude Oil Tankers (dual rod probe required)

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, site glass 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 (gallons, litres 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. Learn about the TD80 today: North America’s choice in refueler gauging and overfill prevention.

- Proven on installations since 1999.
- Complete level measurement and overfill prevention system designed for aircraft refuelers.
- 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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Creating Instrumentation Solutions - Everyday

TD80™

FEATURES

The TD80 is the modern solution to an old problem — measuring and controlling liquid level/volume in an aircraft refueler.

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

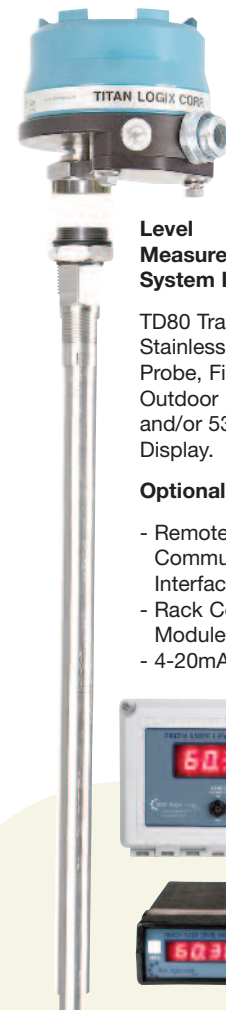
- No float or moving parts
- High accuracy level measurement
- Environmental protection: Safe and reliable spill prevention
- Straightforward installation
- Not required to enter the tank if service is needed
- Highest quality, rugged, modular industrial design
- CSA & NRTL/C Approved for hazardous area installations (Class I Div. 1)
- Wide range corrosion resistance
- 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
- Wide temperature range
- Multiple displays with one transmitter
- Multiple transmitters with one display
- Wide range of liquids and applications
- Electronics weather protected, moisture protected
- Excellent performance at low temperatures

Liquid Compatibility

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

*Some applications require a dual rod probe.



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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