

TD-80 - LoadMaxx

Mobile Tank Gauging System

**Reliable Fluid Measurement With
Accurate Axle Group Weights - Combined**

Guided Wave Radar technology of the TD80™, coupled with the Multi-Point LoadMaxx™ scale, provides a complete volume and weight management system.

TD80 Mobile Gauge

The TD80™ will produce a safe, highly accurate liquid level measurement for the mobile transportation of industrial fluids.

Overfill prevention, spill cutoff and leakage warnings complete a total fluid management system that is telemetric report compatible.

Using a high-speed electrical pulse transmitted down the probe, reflections off the surface of the liquid, travel back up the probe to the transmitter. The total flight time of the pulse is measured and used to calculate the liquid level or volume.

The integration of volume measurements with actual axle weights, provides pump shut-down settings for both road ban compliance and spill prevention!

Air-Weigh - LoadMaxx Scales

No need to calculate or guess your trailer weight. Air-Weigh - LoadMaxx™ scales accurately measure and display trailer axle group weights right at the loading site. Transforming your equipment into smart, self-weighing trailers to maximize productivity and prevent over-loading.

The Air-Weigh LoadMaxx Scale works on air-ride equipped trailers with single or dual leveling valves. It converts pressure in the air bags into accurate on-the-ground weight. The heavier the load, the more air pressure is required to maintain ride height. Once calibrated, the scale displays the axle group weight to within 300 lbs / 135 kgs of a DOT-certified scale.



System Features and Benefits:

- Volume and Weight Measurement alarms to prevent overflow or overload in a single highly accurate system
- No moving parts increases accuracy
- 316L Stainless Steel probe for corrosion-resistance in a wide range of liquids
- Hazardous area approvals ensure operator safety
- Accurate level indication ensuring proper charge to customers
- Intuitive controls for ease of operation
- 30,000+ installations in oilfield tankers
- Shutdown system to prevent overflow or overload, reducing potential pump damage
- Mobile tank tracking (*third party telematics*) to monitor and manage your fluid levels remotely, enabling better asset management
- Overload Warnings from mud or ice build-up road conditions.

Specifications for TD80™

- Power: 8 to 28 VDC
- Current consumption: 80mA @ 12 VDC
- Ambient Temperature Range:
-40°F (-40°C) to 185°F (85°C)
- Communications: SVBus
- Environment:
Hazardous Area Approvals
Class I, Div. 1 (*with exp. proof seal*)
Class I, Div. 2 (*without exp. proof seal*)
- Weatherproof: CSA Type 4
- Accuracy: +/- 5mm (0.2")
- Probe length: 8 feet
(*can be cut to fit at time of installation*)

Specifications for Finch II™

- Power: 8-30 V DC
- Current Consumption: 300mA at 12V DC
- Relay Ratings:
3.3A Max on any individual relay
AND 6.6A Max across all 4 relays
- Operating Temperature Range:
-40°F (-40°C) to + 149°F (+65°C)
- Communications:
TD80™ SVBus
RS-232 for communication
with third-party modems
- Hazardous area approvals:
CSA Class 1, Div. 2,
Groups C & D, T3
- Enclosure:
Flame retardant FRP
- Optional:
5332 In-Cab Display
4-20mA Output

Specifications for LoadMaxx™

- Calibration:
Dual-Point, PIN-protectable.
- Accuracy: 300 lbs. / 135 kgs
for trailer axle group.
- Language:
English and Spanish, or
English and French.
- Units: Pounds or kilograms.
User-selectable.
- Alarm:
Warning and overweight
alarm outputs.
- Operating Temperature:
-40° to +85°C; -40° to +185°F.
- Power: 9 to 32 V dc



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