

TPZ 3310 AliGauger™

Electromechanical Level Transmitter *for storage tanks*



The EMS TPZ 3310 is an electronic float-based level gauge for measuring fluid levels in storage tanks. It has been field proven in 1000's of installations, with a great majority in the Western Canadian oilpatch. It can be installed while the tank is in service. In-tank components are constructed from durable corrosion resistant materials, permitting operation in a wide variety of applications.

The TPZ AliGauger is the only gauge built tough enough to handle the most severe "swamp-like" tank level gauging applications. Install the right gauge built for the environment!

- Estevan Meter is the developer and manufacturer of the popular TPZ level gauge systems designed specifically for the oil & gas industry.
- The TPZ AliGauger electromechanical gauge is suitable for direct connection to a PLC.
- Straightforward installation procedure
- Sealed from corrosive vapors
- Rugged Construction
- Local or remote liquid level readout
- Suitable for use in low-power applications

applications

- Single Tanks
- Production Batteries
- Refineries
- Drain Tanks
- Flare Knockout
- Oilfield Storage Tanks:
Permanent or Portable
- Overflow Tanks
- Condensate Storage
- Remote Site Monitoring

Estevan Meter
www.estevanmeter.com
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TPZ AliGauger™ features

The TPZ AliGauger consists of a float supported by a nylon-covered stainless steel line to the top-of-tank mounted transmitter. This line is wound onto a single-wrap spool as the fluid level causes the float to rise. The rotation of the spool is precision measured using an optical encoder. This rotation is translated to pulse, 4-20 mA, or SV Bus signals.



Transmitter Features

- CSA approved
 - Class 1, Groups C & D
 - Class 2, Groups E, F & G
 - Low maintenance
- Wide temperature range: -45° C to 90° C
- Installation while tank is in service
- Measures in a wide range of fluid densities
- Measurement range: 6 ft to 35 ft (10.7 m) (optionally higher)
- Continuous monitoring
- Power Requirements 12 or 24 volt DC at 50mA Max
- Suitable for low power applications
 - Solar packages available
- Pressure: 50 PSI maximum (instantaneous)
- Accuracy: +1cm (3/8")
- Patented

Display/Controller Options

- Digital display
 - Model 3300 (Multitank)
 - Model 2300 (LED)
 - Omron (LCD)

- Customer-programmable relays/switches for:
 - Pump control
 - Leak Detection
 - High or low-level alarms
- Contact ratings:
 - 1250 Watts @ 120 Vac (10 A Max)
- Fluid level interruption alarms

Output Options

- 4-20 mA
- SV Bus
- Pulse (up/down)

Fluids Monitored

- Crude oil (sweet, sour)
- Condensate
- Water
- Drilling mud
- Chemicals
- Acids, bases
- Refined petroleum
- Heavy crude
- Salt water

The TPZ 3310 kit includes: transmitter, float, stabilizer cables, anchor (weight or tabs), stabilizer bracket, mounting plate (if required).

Locations

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