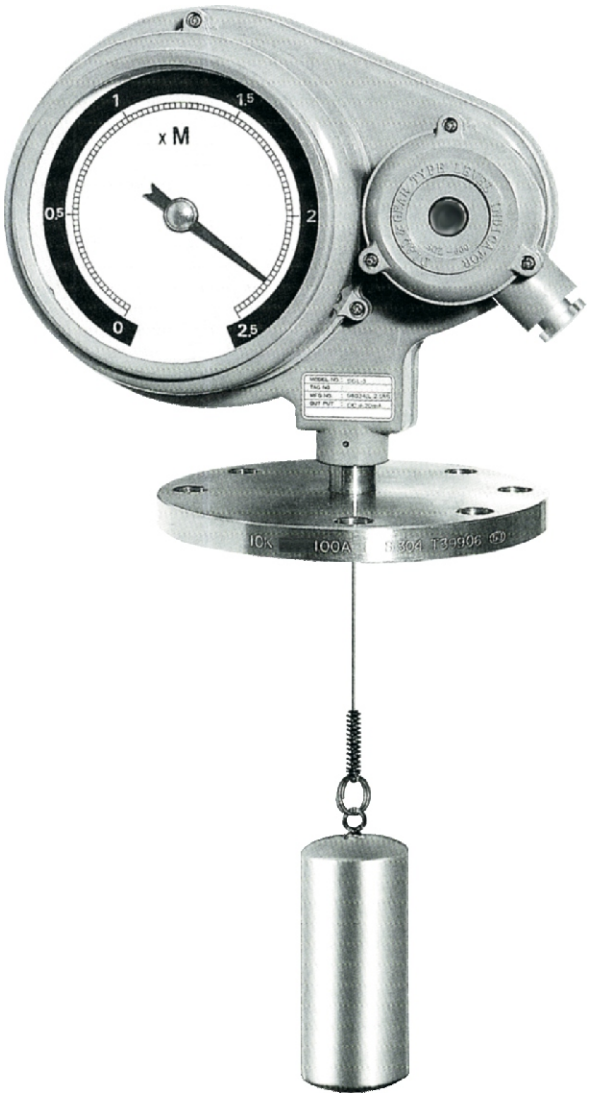
INDUMART Canada
www.indumart.com

Dial Liquid Level Transmitter

SERIES: TLG500

- COMPACT
- EASY INSTALLATION
- REMOTE AND/OR LOCAL INDICATIONS

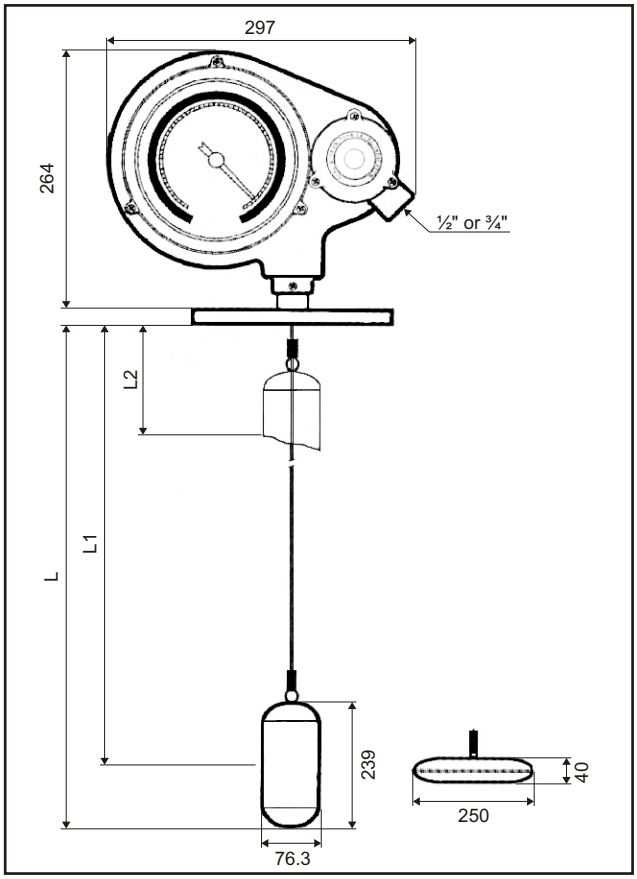


DESCRIPTION

Series TLG500 Dial Liquid Level Transmitters meet stringent demands and can be used for level measurement of water, diesel oil, bunker-c, etc. Easy installation of these transmitters makes them the ideal choice for most level measurement and control applications.

The operating principle of Series TLG500 is based on the buoyancy of float and spring force. When the float rises and falls, the gear mechanism connected to the float and the spring moves to display the level on the front scale and an analogue signal is produced.

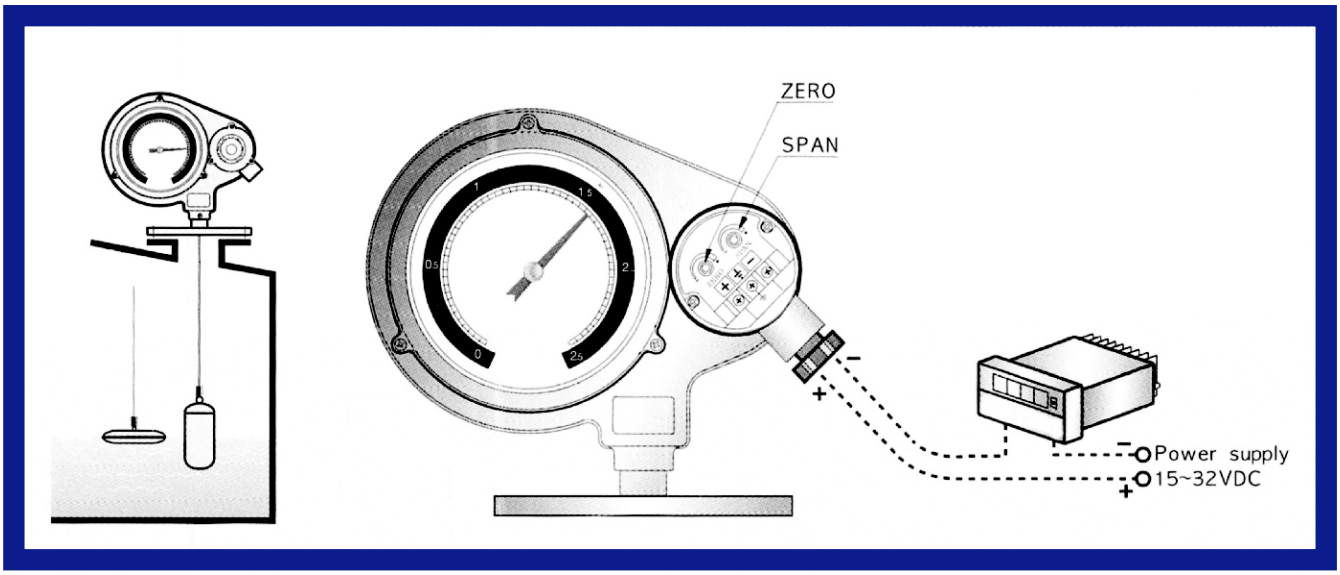
DIMENSIONS (mm)



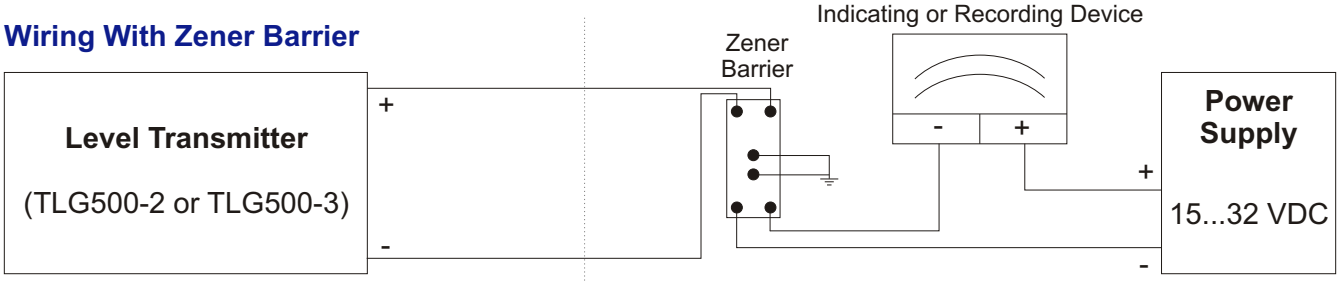
OPERATION PRINCIPLE

When the tank is being filled or drained, the float rises or falls until the total weight of the float and the wire becomes equal to the total force exerted by the liquid buoyancy and the spring.

When the level rises, the spring is wound and the length of the wire is decreased, and when the level falls, the spring is stretched, and the length of the wire is increased. The front scale connected to the float and the wire via the gear mechanism displays the level on the dial, and I/R converter by using the built-in potentiometer produces a 4-20 mA output signal.



Wiring With Zener Barrier



SPECIFICATIONS

SPECIFICATION \ MODEL	TLG500-1	TLG500-2	TLG500-3
Material	Body: non-burnable ABS;	Flange & Float: 304 st. steel;	Wire: 316 st. steel
Float Dimensions	Ø76.3 x 293H cm for 3" vertical (standard); Ø250 x 40H cm for horizontal (option)		
Construction	Weatherproof		
Specific Gravity	0.6 minimum		
Measuring Range	10 m maximum		
Accuracy	±20 mm (Horizontal: ±10 mm)		
Operating Press.	Atmospheric		
Process Temp.	-10...+100°C		
Body Temperature	-10...+80°C	-10...+50°C	
Calibration	-	Zero & Span	
Loop Impedance	-	450 Ω @ 24 VDC	
Power Supply	-	15...32 VDC; 2-wire loop	
Output	Dial Display	4...20 mA	Dial Display & 4-20 mA

INDUMART INC.
1-15 W. Pearce St., Richmond Hill, Ont. L4B 1H6, Canada
Phone: (905) 707-9998 Fax: (905) 707-8484 E-mail: Sales@Indumart.com