

VLIT2500 SERIES

VISUAL LEVEL INDICATOR 2.5" DIAMETER DUAL CHAMBER

DESCRIPTION

The VLIT2500 Dual Chamber Visual Level Indicator is a practical alternative to fragile, easily-clouded sight glasses. The unit's 2 1/2" (63.5 mm) diameter 316 stainless steel chamber provides safe, durable and easy-to-read indication in various liquids while remaining isolated from potential media contamination. The unit's 1.25" chamber accepts a CS02 Capacitance or GW704 Guided Wave Radar Level Transmitter to provide continuous output readings correlating to the fluid level within the process vessel. The VLIT2500 withstands pressures up to 400 PSIG (27.6 bar) and is capable of providing accurate level indication with or without power. Various threaded, flanged and weld connections are available to mount the unit on the top, bottom or side of the tank. Other options include custom flag color combinations and graduated scales.

PRINCIPLE OF OPERATION

Within a non-magnetic chamber of the indicator, a magnetic float rises and falls according to the fluid level. The float is weighted to the specific gravity of the media and as it is carried by the fluid, its internal magnets attract the external line of highly-visible magnetic flags. Once the flags attract, they rotate and visibly track the level of the fluid. A secondary chamber houses a CS02 or GW704 Level Transmitter.

KEY FEATURES

- Independent Indicator & Transmitter Output
- Fully-Isolated Indicator & Pressure Chamber
- Simple Solid-State Transmitter Calibration For Various Fluids
- Durable Stainless Steel & Teflon Construction
- Aluminum Indicator Flags
- Lengths Up to 16 Feet & Visibility Up to 100 Feet (30 Meters)







ENVIRONMENTAL

- Ambient Temperature: -40° to +160° F (-40° to +71° C)
- Process Temperature: -40° to +400° F (-40° to +204° C)
- Process Pressure: 400 PSIG (27.6 bar)
- Seals: Viton (Standard), PTFE, Buna or Silicone

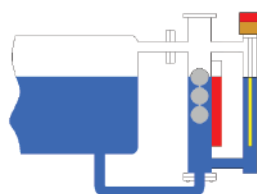
ELECTRICAL

- Power Supply: 11 to 30 VDC (24 VDC Nominal)
- Output: 4-20 mA or 0-5 VDC Selection
- Response Time: 1/2 Second
- Power Consumption: 1.3 VA
- Linearity: ± 0.5% of Actual
- Optional Independent Switch Contacts: SPDT (Latch) 25 Watt

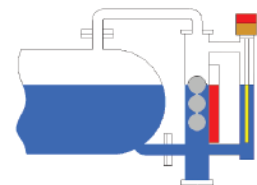
APPLICATIONS

-  Beverage Vessels & Tanks
-  Water Tanks
-  WFI Skids
-  DI Water Systems
-  Sanitary Mixing Tanks
-  Pharmaceutical & Biotech Vessels

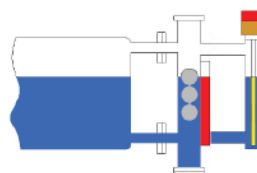
MOUNTING CONFIGURATIONS



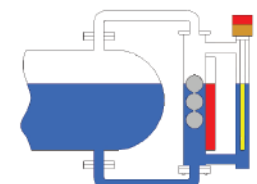
TYPE SB
Side & Bottom



TYPE TS
Top & Side



TYPE SS
Side to Side



TYPE TB
Top & Bottom



VLIT2500



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AN INNOVATIVE SENSING COMPANY

