

LEVEL TRANSMITTER

FLOAT TYPE

INTRODUCTION

Float guided level Transmitter is a most reliable instrument where continuous level monitoring is required. It can be used with PLC, DCS, SCADA & Controller.

FEATURES

- Rugged construction
 - Easy mounting with flanged or threaded connection
 - Continuous level monitoring
 - Weatherproof
 - Exproof
- Intrinsically safe to Ex ib Gr IIA-IIB T6
(with zener barrier 24VDC / 110mA)

APPLICATION

- Chemical, petrochemical industry, Refineries
- Pharmaceutical industry
- Pressure vessels, Storage tanks
- Marine industry
- Water & waste water treatment plants.

CONSTRUCTION & OPERATING PRINCIPLE

- It consists of a guide tube, float & housing with electronic circuit.
- Float contains permanent magnet fixed inside & guide tube contains hermetically sealed reed switch & resistors fixed at regular intervals on the strip.
- Magnetic field acting from the float actuates the reed switch while moving along the guide tube with the rise or fall of the liquid level.
- Electronic circuit gets completed when reed switch actuates & the signal is fed to the converter which converts it into an analog output of 4~20 mA or 20~4mA.
- These contacts are connected to PLC & DCS system directly. To display the readings & have relay set points which offers potential free relay contacts 5A@250V AC to operate higher electric load.



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SPECIFICATIONS

All specifications at ambient of 25 °C, unless specified otherwise

Mounting	Top
Measuring range	GTL - (Top *D + Bottom *D) (Span) Min 270 mm (GTL 400 mm) Max 3770 mm (GTL 4000 mm)
Process Connection	2-½" or 3" or 4" NB flanged to BS (option ANSI or DIN std) or Triclover flange (sanitary applications)
Resolution	a) Standard ±12 mm
Accuracy/Repeatability	±12 mm
Enclosure	Cast Al w proof to IP 66 or Ex proof to Gr IIA & IIB or IIC
Conduit connection	Polyamide, PG 9 or Brass, ½" NPT
No. of Floats	Single
Float size	Ø60, Ø75
Wiring System	2-Wire
Output	DC 4-20 mA (isolated) or 4-20mA (HART)
Load	400 ohms
Power Supply	24VDC / specified
Max. Temperature	80°C (PP) / 100°C (metallic MOC), 150°C (optional)
Max. Pressure	3 Kg/cm ² (PP) / 10Kg/cm ² (metallic MOC)
Sp. Gravity of fluid	0.7
Wetted Parts	SS304, SS316 or PP, SS304 PVDF coating
Special feature	Intrinsically safe to Ex ib Gr IIA-IIB T6 (with zener barrier 24VDC / 110mA)
Installation	Installed internally or externally through ex-chamber. Still well is used in internal mtg. in case of turbulence in liquid. External mtg. is limited or mechanical stirrer are operated in tank.

ORDERING INFORMATION

Order code : 2514

- Model no
- Liquid
- Sp.Gr.
- Op.Temp & Pressure
- In case of Ex-cage specify CCdist, process conn size & MOC
- Guide tube length(mm)
- Measuring range
- Output

PICTURE GALLERY LEVEL TRANSMITTER



CAT#502R0

ENQUIRIES

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