

TOP MOUNTED LEVEL SWITCH

Severity, adversity... whatever the conditions of environment, SIGMA liquid level controllers keep operating. Rugged design of our units offer an electrical compartment completely isolated from the product level to be monitored. This makes it to withstand the extremely severe conditions to be met with in a wide range of a wide range of Chemical, Petrochemical, Power and other Process industries. A wide range of SIGMA level controllers in an application bound material mix provide choice for one, two, three or four level monitoring by trigger related systems through contactors or relay. The level sensor termed as displacer is designed to suit high temperature and pressures. With wide differential models, the use extends to open tanks, slurry and treatment plants, neutralization pits etc.

Sigma Advant-edge

- Easy installation, no manholes required.
- Field level settings.
- Adjustable differential versions.
- Can be used with external chambers.
- Level of operation up to 20 m.
- ✓ No rods to bend, only multi-stranded cables (ss wire) used
- Glandless rugged design to suit a wide spectrum of pressure and temperature.
- Suitable for foaming, surging and highly viscous liquid.



Specifications

Type : Top Mounted Displacer Type.

Connection Size & Type : 2" and above as per ANSI, DIN or

BS standard or Screwed NPT.

Pressure : up to 50 kg/cm³ specified.

: 150°C / For higher temperature Temperature

consult Sigma.

Flange Material : CS / SS 304 / SS 316 / PP / PVC /

Teflon / HDPE / specified.

Spring : SS 316 / specified.

Spring Housing / Holder: SS 304 / SS316 / PP / PVC etc.

Wire Material : Multi stranded SS 316 / Nylon / C.S /

PP / specified.

Displacer Material : Porcelain, SS 304 or SS 316, C.S,

Rubber, Teflon Lined, PP / PVC /

Teflon / specified.

Switch Housing : Die Cast Aluminum, Weather proof or

Explosion proof IIA, IIB or IIC.

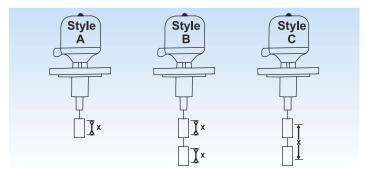
Contacts (Micro Switch): 10 A / 15 A @ 250 V AC / specified.

2 SPDT is a standard.

Specific Gravity : 0.7 - 1.2, for others consult Sigma.

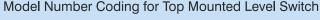
Level of Operation : up to 20 meter

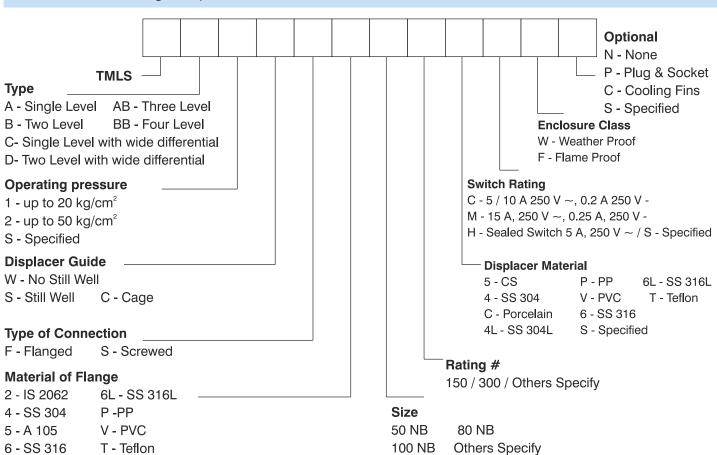
Differential : Approx. 50 mm / specified.











Model Coding example: TMLS - B - 1 - S - F - 4 - 80 NB - 300# - 6 - C - W - P

Top Mounted Level Switch, with

- Two Level

4L - SS 304L

- Operating Pressure up to 15 kg/cm²

S - Specified

- Still Well Displacer Guide
- Flanged connection
- SS 304 Flange
- Flange Size 80 NB

- 300# Rating
- SS 316 Displacer
- Switch rating 5/10 A, 250 V AC, 0.25 A, 250 V D.C
- Weather proof enclosure
- Plug & Socket
- Standard: 2 SPDT Switch is provided

Note

- Model Coding is categorized as per the specification of the product, for ease of selection and ordering.
- In case of choosing multiple specification under a specific category, mention the 2nd / 3rd code with a bracket, after the 1st code.
- For ordering IBR approved product, mention "IBR" immediately after the Product code.
- PP/PVC/Teflon max pressure rating is 10Kg/cm² PP max temperature rating is 50°C
- The product conforms to 2006/95/EC: Low Voltage Directive (LVD) per Harmonized standard EN 61010-1/1993 & Amendment No.1
- In case of doubt, contact SIGMA for assistance in arriving at the model code / for specification.
- SIGMA reserves the right to modify specification / design from time to time, which is deemed suitable for the product without prior intimation.

