

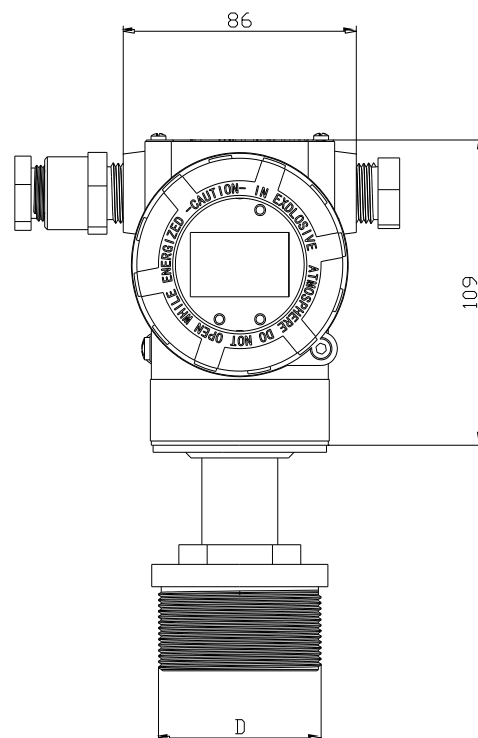
SMT3151WTLT external thread liquid level (pressure) transmitter

Description

SMT3151WTLT direct loading liquid level (pressure) transmitter is a kind of transmitter used in special working conditions. It is suitable for measuring the working conditions with high pressure and high pressure grade. It is a pressure signal measured at the reference end of atmospheric pressure, which can also reflect the height of the liquid. There is a port for pipe thread (or other connection) and process pipe connection.

Working principle:

Based on the ordinary pressure transmitter, an isolation diaphragm is added to measure the wetted part. Mainly used for measuring high temperature, easy to solidify or crystallize, containing solid suspended solids, too viscous, corrosive or other media that need to maintain hygienic conditions, can not be contaminated, the basic measuring components and technical performance and technology of 3151T pressure transmitter The index is the same. After adding the remote transmission device, there will be a small decrease in the measurement accuracy, and the reaction speed will be slow. When the pressure is relatively small, the installation position should be paid attention to ensure that the measured pressure is within the measurement range of the basic measuring component.



SM3151WTLT

Threaded Liquid Level (Pressure) Transmitter Selection Specification Table

Model	Transmitter type	
3151WTLT	External thread type liquid level (pressure) transmitter	
Code	Scale range	
2	0-20~100kPa(0-2000~10000mmH ₂ O)	
3	0-70~350kPa(0-7~35mH ₂ O)	
4	0-200~1000kPa(0-20~100mH ₂ O)	
5	0-700~3500kPa(0-70~350mH ₂ O)	
Code	Output form	
E	Linear output 4-20mA _{dc}	
SF	Linear output 4-20mA _{dc} +HART signal, Full function buttons on site	
F	MODBUS-485 signal	
Code	High pressure side thread specification	High pressure side material
G1	Pipe thread 1"	316/304 Stainless steel
G2	Pipe thread 1.5"	316/304 Stainless steel
G3	Pipe thread 2"	316/304 Stainless steel
Code	Measuring diaphragm	
A	316 Stainless steel	
B	Hastelloy C	
Code	Filling liquid	
D	Ordinary silicone oil (-40~104℃)	
F	High temperature silicone oil (-40~304℃)	
S	Inert liquid (-40~204℃)	
Code	Shell material	Conduit inlet dimensions
A	Low copper aluminum alloy polyurethane coating	M20×1.5
B	Low copper aluminum alloy polyurethane coating	1/2-14 NPT
C	Stainless steel	M20×1.5
D	Stainless steel	1/2-14 NPT
Code	Optional parts	
M1	0~100% Linear indicator	
M4	LCD multi-function digital display	
Da	Flameproof ExdIIBT5Gb;(explosion-proof certificate No. : CE16.1163)	

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Fa	Intrinsically safe ExiaIICT4 / T5 / T6Ga;(explosion-proof certificate No. : CE15.2354X)
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Selection example: 3151MTLT4SFMT11ADAM4Da 0~20kPa

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