



DESCRIPTION

Trantech TTFDPT Flush diaphragm pressure transmitter is designed for use in sanitary and industrial applications for high accuracy pressure measurement of product that have solid matter . The pressure diaphragm of the sensor is made from 316L stainless steel which possesses high durability and is suitability for food grade applications. Various output signals are available to meet application requirements , ie 4~20mA, 0~5Vdc, 0~10Vdc, and more. The sensors accuracy is available with standards of 0.5% or optional 0.25 %FS. Long-term stability specification 0.15 %FS/year. Zero thermal drift 0.04 %FS/°C, Sensitivity thermal drift 0.02 %FS/°C

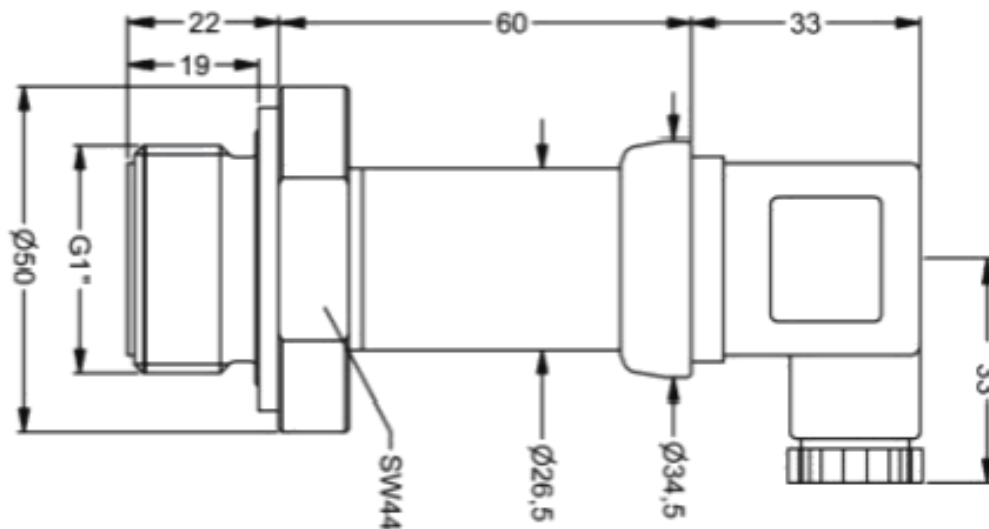
APPLICATIONS

Pharmaceutical industry, Milk process, Beverage process, Food and water production

FEATURES

- Pressure Connection G1 Flush,
- DIN3852
- Food grade oil filling
- High accuracy and stability
- Over voltage and Reverse voltage protection
- Robust design Stainless steel 316L or 304 housing
- High temperature at 125degC max


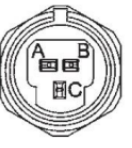
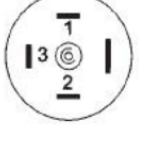


DIMENSIONS



SPECIFICATION

Specification: Measuring media		liquids compatible with 316LSS and 304SS
Measuring range	bar	-0.1...0...100bar (absolute or gauge pressure)
Overload pressure	%FS	200
Burst pressure	%FS	250
Power supply	VDC	10-30Vdc
Reverse polarity protection		Yes
Over voltage protection	VDC	36
Output signal		4~20 mA,0~5V, 1~5V,0~10V, 1~10V, RS485
Zero thermal drift	%FS/°C	0.04
Sensitivity thermal drift	%FS/°C	0.02
Accuracy	%FS	±0.5 or ±0.25%
Long-term stability of zero	%FS/year	0.15
Load resistance	Ω	250~1150Ω (for 4~20 mA current loop)
Storage temperature range	°C	-30~+80
Operating temperature range	°C	-40~+125
Process connection	thread	BSP1/2, NPT1/2, G1, NPT 1 flush or customized
Electrical connection		DIN 43650A, cable, M12, Packard, Deutsch, AMP, etc.
Environment protection	IP rating	IP 65
Pressure membrane material		316LSS,
Material of wetted part		316L SS
Sealing O-ring		FKM, NBR,HNBR, EPDM, etc.
Housing material		

ELECTRICAL CONNECTIONS

DIN 43650 A		Packard Metri-Pack	
	U+ / I+ = 1		U+ / I+ = B
	U- / I- = 2		U- / I- = A
	S+ = 3		S+ = C
	Shield = 4 / Housing		Shield = Housing
DIN 43650 C		Cable outlet	
	U+ / I+ = 1		U+ / I+ = Red
	U- / I- = 2		U- / I- = Black
	S+ = 3		S+ = Green / Blue
	Shield = 4 / Housing		Shield = Housing / Yellow
M12 x 1(4 Pin)			
	U+ / I+ = 1		
	U- / I- = 3		
	S+ = 4		
	Shield = 2 / Housing		

