

EST330F Flush Diaphragm Pressure Transmitters

- ✓ Accuracy: $\pm 0.25\%F.S$; $\pm 0.5\%F.S$
- ✓ OEM, Un-standard order available
- ✓ Can install display screen:4LCD (optional)
- ✓ Zero position and full scale can adjusted
- ✓ Kinds of pressure range and signal output
- ✓ Kinds of connection and pressure port
- ✓ Non-polarity two wires output



Applications

Fuel station | Gas dispenser | Food process | Hygiene Industry | Pressure instrument | medical | biological products

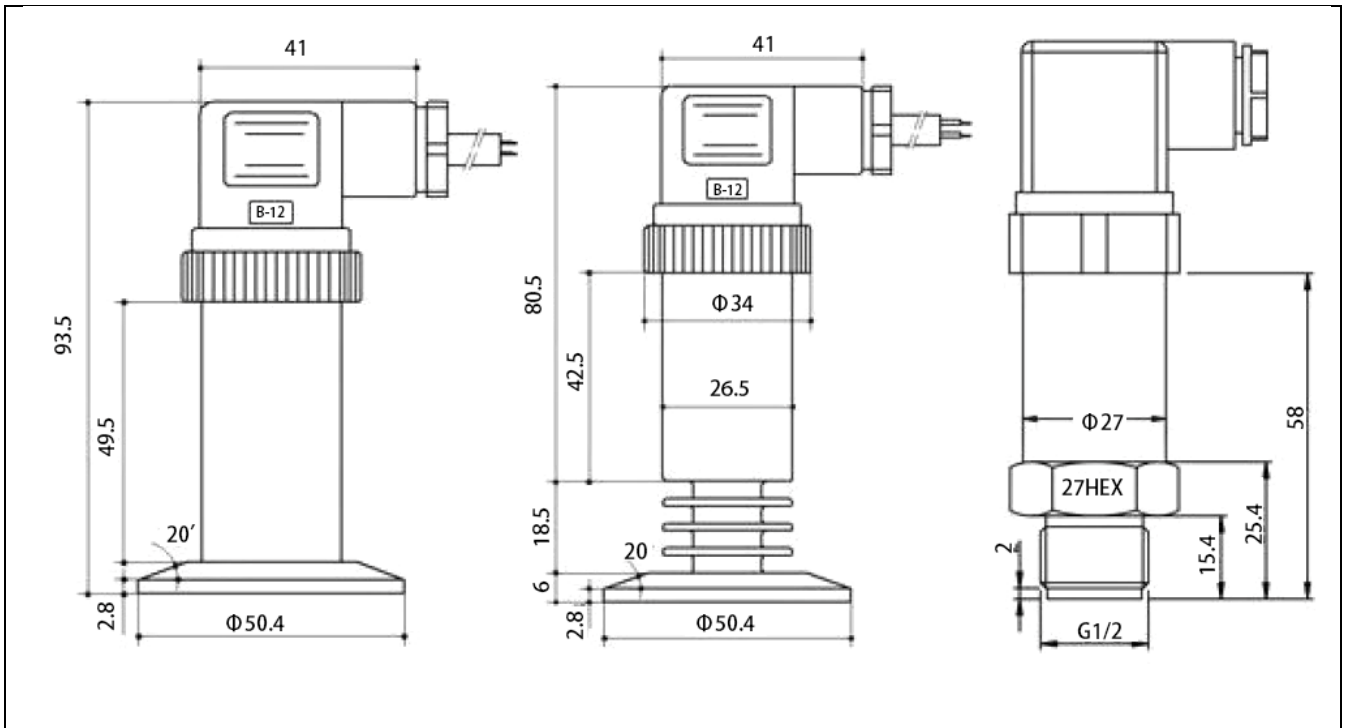
Product Introduction

EST330F Flush Diaphragm Pressure Transmitter is designed to be installed in a series of hazardous situation and is ideal for use in food, beverage sanitary, medical process and industrial applications where the media is either viscous, contains particulates or solids, which may probably cause the clog or foul.

Electrical Connections and Dimensional drawings

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





Specifications

Measuring Range	0~35kPa...3.5MPa		Temp.coefficient of span	±0.02%FS/°C(typ.) ±0.03%FS/°C(max.)
Overload pressure	1.5 times of rated pressure or 110MPa(min. value is valid)		Compensated temperature	-10~+70°C
Pressure type	Gauge (G), Absolute (A), Sealed gauge (S)		Operating temperature	-20°C~80°C
Accuracy	±0.25%F.S / ±0.5%F.S		Storage temperature range	-40°C~120°C
Stability	≤0.3%FS/year		Insulating resistance	≥100MΩ@100Vdc
Working temperature	-20~85°C, (-40~150°C with radiator)		Pressure connection	M20x1.5,G1/2 (customer request)
Temp.coefficient of zero	±0.02%FS/°C(typ.) ; ±0.03%FS/°C(max.)		Electrical connection	DIN43650
Diaphragm material	SS316L		Medium compatibility	All corrosive medium compatible with 1Cr18Ni9Ti
Response time(10%~90%)	≤10ms		Ingress protection	IP65
Electrical parameters	Two wire		Three wire	
Output Signal	4~20mA	0~5V	1~5V	0~10V
Power supply	8~30Vdc	8~24Vdc	8~24Vdc	11~30Vdc
Load resistance	R≤(U-15)/0.02 (for 4/20mA)		R>100kΩ(for voltage output)	
1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atm≈98kPa				

Ordering Procedure

EST	Piezoresistive Pressure Transmitter	
	Code	Model
	330F	Flush diaphragm
	330FTC	Tri-Clamp open face flush diaphragm
	Cod	Span
	1	0~35kPa...3.5MPa
	Code	Output Type
	A	4~20mA
	V	0~5V
	V05	1~5V
	V210	0~10V
	Code	Precision
	0.25	±0.25%F.S
	0.5	±0.5%F.S
	Code	Power Supply
	DC83	8~30Vdc
	DC82	8~24Vdc
	DC11	11~30Vdc
	Code	Process connection
	M	M20 x 1.5
	G2	G1/2
	Code	Electrical Connections
	D	DIN43650-C
	C	Cable Electrical Connection
	Code	Cable length XXm=... m
	Code	Packing
	Bb	Bubble bag
	Foa	Plastics foam
EST	330F	1 A 0.25 DC83 M C 1.5 Bb