Main Specifications	Other specifications
▼Pressure connection	▼Case material
Flush diaphragm connection	SS304
Material: SS316L	▼Clamp material
Specification:	SS316L
2″ / 2.5″ Clamp	▼Diaphragm material
▼Electrical connector	SS316L
Hirschmann connector /	▼Output signal
2088 housing	2-wire: 4~20mA
▼Pressure range	3-wire: 0-5V / 0-10V / 1-5V
-100...0~10kPa...10MPa	▼Power supply
Please refer to pressure range	2-wire: 12 ~ 30VDC
table	3-wire: 12~24VDC
▼Pressure type	▼Accuracy
Gauge pressure /	±0.5%F.S.
Absolute pressure /	▼Zero drift
Sealed pressure	±1.5%F.S. (@-20 to 85℃)
▼Applicable media	▼Hysteresis and Repeatability
Corrosive / viscous fluid that	±0.1%F.S.
compatible with SS316L	▼Insulation
▼Operating temperature	100MΩ / 250VDC
Normal Type▼	▼Response time
-40 to 85℃	≤1ms (increasing to 90%F.S.)
With cooling fin Type (Three	▼Service life
pieces)▼	≥10*10^6 pressure cycle
-40 to 150℃	▼Vibration resistance
With cooling fin Type (Five	20g (25Hz~2kHz)
pieces)▼	
-40 to 250℃	
▼Storage temperature	
-40 to 85℃	
▼Protection level	
IP65	

Clamped Flush Diaphragm Pressure Transmitter Model: FDPT-500 Series

Introduction

FDPT-500 adopts a piezoresistive silicon pressure sensor with the flush diaphragm as its measuring elements. The blind space has been eliminated to prevent impurity or viscosity generated. The features make FDPT-500 transmitter suitable for the sanitary required environment such as food, pharmaceuticals, and wine industry.
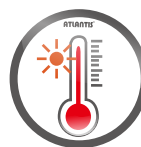
Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

■ OEM service
■ The flush diaphragm connection design can prevent impurity generated
■ Specially designed for high sanitary requirement
■ Integrated stainless steel structure
■ Compact design, easy installation
■ High anti-impact and anti-vibration performance
■ Various output signals for selection

2088 housing

Pressure range table

Code	Pressure Type	Pressure Range	Overload Pressure	Burst Pressure
10K	G	0~10 kPa	300%F.S	500%F.S
20K	G	0~20 kPa	300%F.S	500%F.S
35K	G	0~35 kPa	300%F.S	500%F.S
70K	G	0~70 kPa	300%F.S	500%F.S
100K	G、A	0~100 kPa	200%F.S	300%F.S
250K	G	0~250 kPa	200%F.S	300%F.S
400K	G	0~400 kPa	200%F.S	300%F.S
600K	G	0~600 kPa	200%F.S	300%F.S
1M	G	0~1 MPa	200%F.S	300%F.S
1.6M	G、S	0~1.6 MPa	200%F.S	300%F.S
2.5M	G、S	0~2.5 MPa	200%F.S	300%F.S
6M	S	0~6 MPa	150%F.S	300%F.S
10M	S	0~10 MPa	150%F.S	300%F.S

G：Gauge pressure　　A：Absolute pressure　　S：Sealed pressure
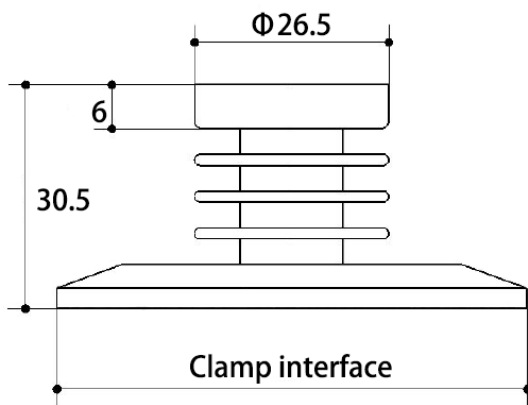
Dimension (mm)
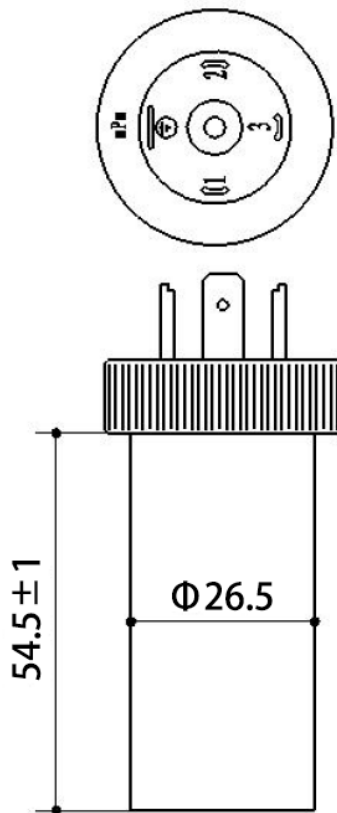
Hirschmann
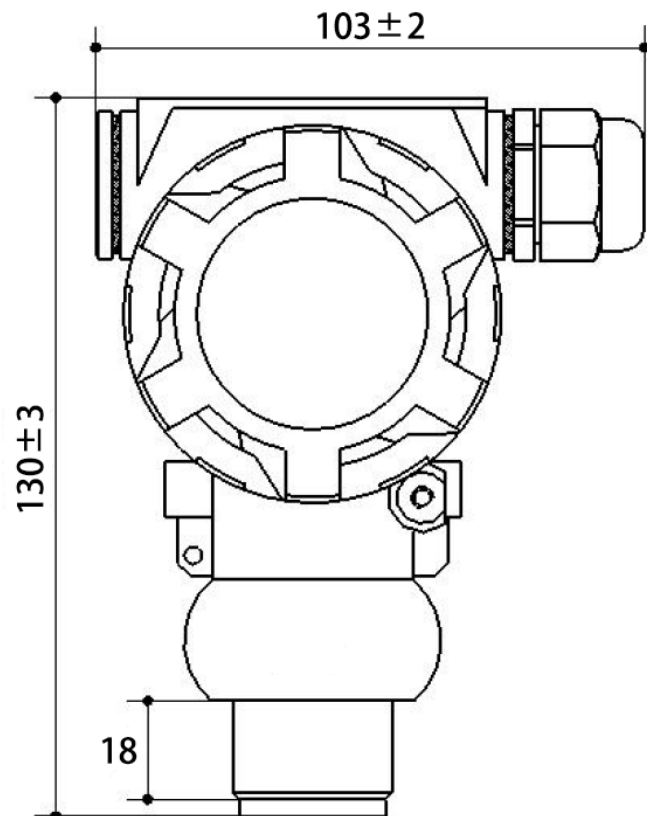
2088 housing

Clamp dimension (mm)

2″ Clamp

2.5″ Clamp
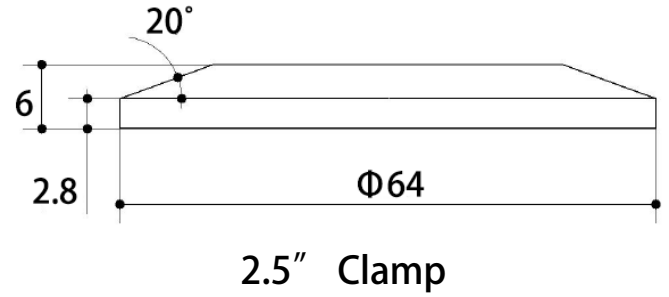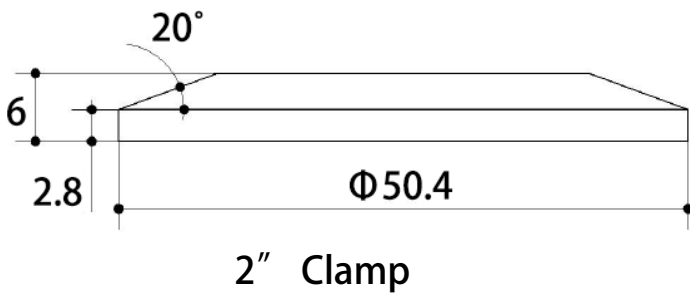
Cooling fin dimension
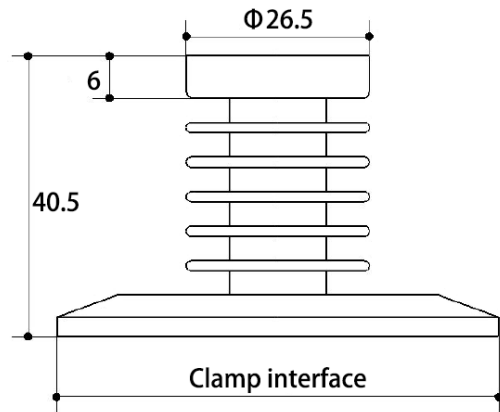
How to order

FDPT-500 Series	Clamped Flush Diaphragm Pressure Transmitter							
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
G	Pressure type	G	Gauge pressure	A	Absolute pressure	S	Sealed pressure	–	–
25C	Pressure connection	2C	2″ Clamp	25C	2.5″ Clamp	–	–	–	–
H	Electrical connector	H	Hirschmann connect	2088	2088 housing	–	–	–	–
250K	Pressure range	Please refer to Pressure Range and select corresponding code						
mA	Output signal	mA	4-20mA	1V	0-5V	2V	0-10V	3V	1-5V
3	cooling fin	N	NO	3	Three pieces	5	Five pieces	–	–
/B	Other requests	/A	Third party notarized document					
		/B	Inspection report (issued by Re-Atlantis)					
		/C	Tag					

Order example: FDPT-500 - G - 25C - H - 250K - mA - 3 - /B