



BANNING

PRESSURE TRANSMITTER

BNPTM450



BANNING

DESCRIPTION

BNPTM450 flange flat film pressure transmitter is a flat film product to meet customer flange installation requirements. This product uses imported diffused silicon pressure and pressure sensitive components. After long-term aging and stability screening, the product performance is stable and reliable.

CHARACTERISTICS

- 2088 and 3051 are optional
- simulation, intelligent optional
- HART protocol is optional and can be transmitted remotely
- Large size diaphragm, all welded seal, long - term reliable and durable
- Aluminum alloy junction box is sturdy and well sealed
- LCD display is optional
- Especially suitable for high temperature viscous liquid

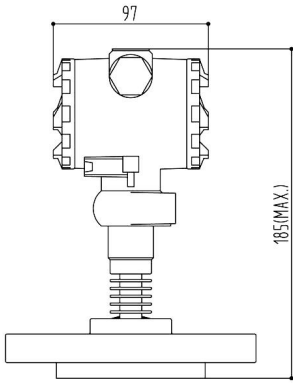
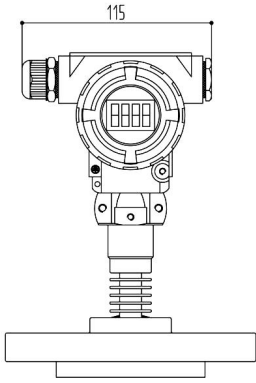
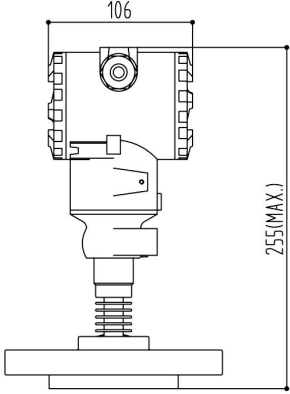
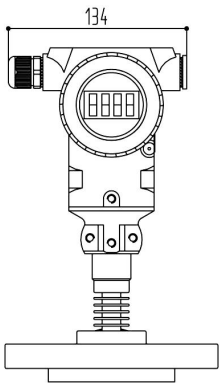
PERFORMANCE

Parameter	BNPTM450
Scale range	0 ~ 20kPa...10MPa
Pressure type	Gauge pressure, absolute pressure
Power supply	24V
Output signal	4 ~ 20mA 、 4 ~ 20mA+HART
Working temperature	-20 ~ 85
Medium temperature	-40 ~ 150
Storage temperature	-40 ~ 125
Zero temperature drift	± 2%FS (@-40 ~ 85)
Sensitivity drift	± 2%FS (@-40 ~ 85)
Pressure overload	150%FS
Mechanical vibration	20g (20 ~ 5000Hz)
Impact	100g (11ms)
Comprehensive accuracy	0.5 grade
Insulation resistance	100M /250VDC
Response time	1ms (Rise to 90% FS)
Long-term stability	± 0.2%FS/year
Protection grade	IP65
Material	Stainless steel housing; isolation diaphragm 316L
Medium compatible	Various media compatible with 316L stainless steel

APPLICATION

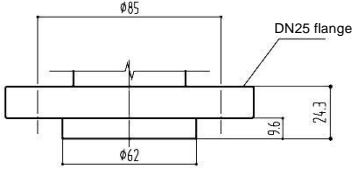
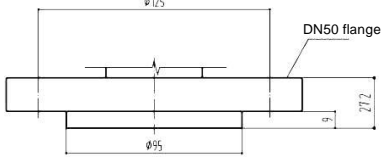
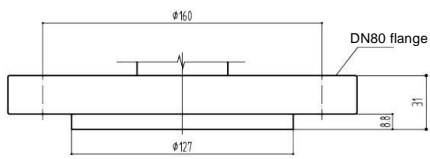
- This series of products are widely used in industrial process control, petroleum, chemical, metallurgy and other viscous media containing particles.
- Project supporting, boiler, oil field, injection molding, heavy industry, chemical industry, steam pipe network, gas pipe network, water supply pipe network.

EXTERNAL STRUCTURE

Type	J1: 2088 Housing	J2: 2088 Housing with display
Dimensions unit : mm		
Type	J8: 3051 Housing	J9: 3051 Housing with display
Dimensions unit : mm		

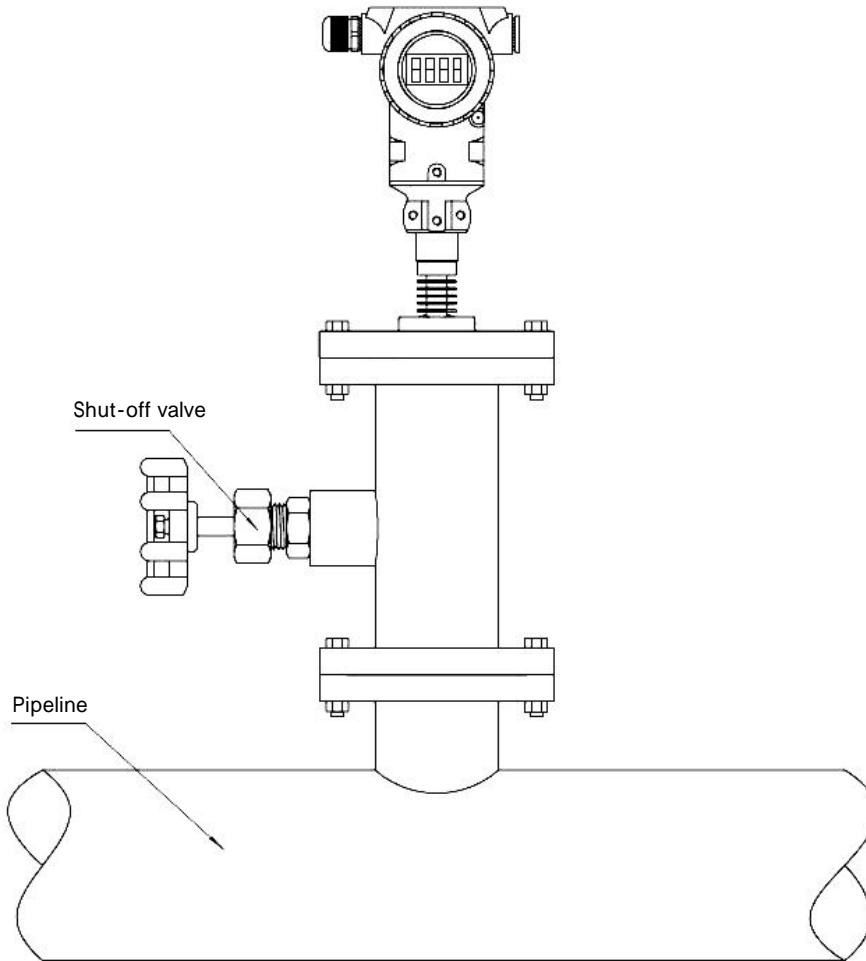
- NOTE:**
1. This product is a customized product.
 2. The dimensions shown are for reference only. There are two types of housings: 3051 and 2088. There are two types of circuit boards: display and no display. There are two types: analog and intelligent.

FLANGE CONNECTION

F1: DN25 flange	F3: DN50 flange	F4: DN80 flange
		

- NOTE:** Special flange interface can be customized according to customer requirements.

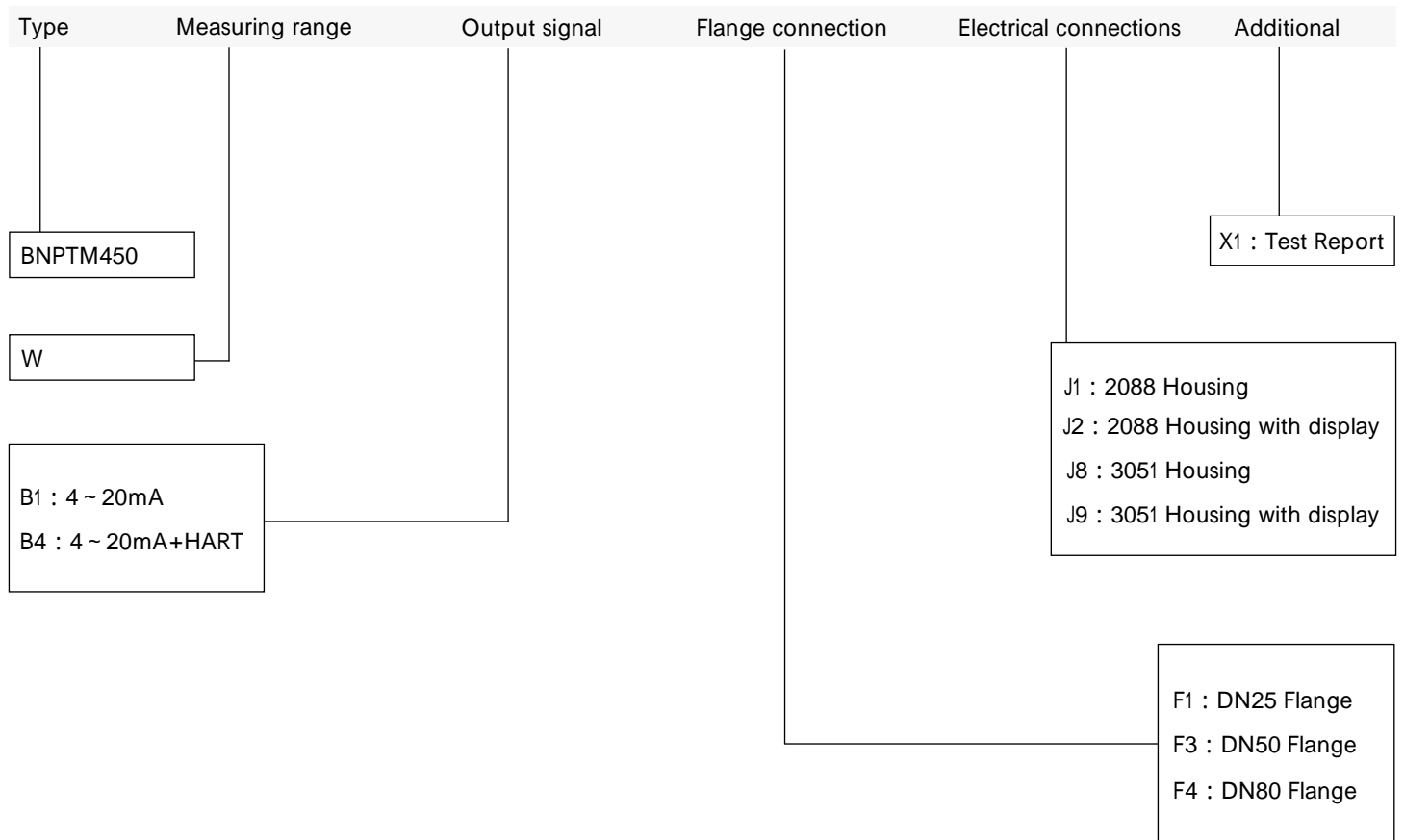
INSTALLATION INSTRUCTION



PRESSURE RANGE

Code	Measuring range	Code	Measuring range	Code	Measuring range	Code	Measuring range
W1	0 ~ 10kPa/0.01MPa	W6	0 ~ 160kPa/0.16MPa	W11	0 ~ 1.6MPa	W16	0 ~ 25MPa
W2	0 ~ 20kPa/0.02MPa	W7	0 ~ 250kPa/0.25MPa	W12	0 ~ 2.5MPa	W17	0 ~ 40MPa
W3	0 ~ 35kPa/0.035MPa	W8	0 ~ 400kPa/0.4MPa	W13	0 ~ 6MPa	W18	0 ~ 60MPa
W4	0 ~ 70kPa/0.07MPa	W9	0 ~ 600kPa/0.6MPa	W14	0 ~ 10MPa	W19	0 ~ 100MPa
W5	0 ~ 100kPa/0.1MPa	W10	0 ~ 1.0MPa	W15	0 ~ 16MPa	Please select according to the product range	

NOMENCLATURE



FOR EXAMPLE: BNPTM450 (W10)-B1-F1-J1

The model is BNPTM450, the range is 0 ~ 1.0MPa, the output signal is 4 ~ 20mA, the flange interface is DN25 flange, and the electrical connection is 2088 housing.

NOTE

- The band display is divided into two types: digital tube display and liquid crystal display. Please specify in the order.
- If there are special requirements for product appearance and performance parameters, our company can provide customization.

DISCLAIMER

Warning

LIFE OR PROPERTY RISK

- Please ensure that this product has been designed as part of whole system and already considered related risks, make sure the product has the correct ratings and is designed based on the entire system. It must not be used when applications related to serious life or property damage risks.

Failure to follow this instruction can result in death or serious injury.

Warning

PERSONAL INJURY

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to follow this instruction can result in death or serious injury.

Warning

MISUSE OF DOCUMENTATION

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

Failure to follow this instruction can result in death or serious injury.

Warranty/Remedy

Banning warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Banning's standard product warranty applies unless agreed to otherwise by Banning in writing; please refer to your order acknowledgment or consult your local sales office for specific warranty details. If warranted goods are returned to Banning during the period of coverage, Banning will repair or replace, at its option, without charge those items that Banning, in its sole discretion, finds defective. The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Banning be liable for consequential special, or indirect damages.

While Banning may provide application assistance personally, through our literature and the Banning web site, it is buyer's sole responsibility to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this writing. However, Banning assumes no responsibility for its use.

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