

TxDP406

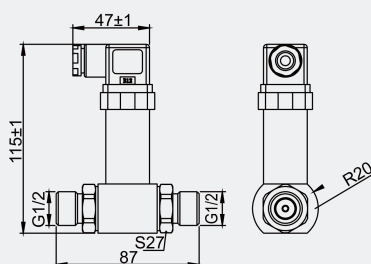
Differential Pressure Sensor



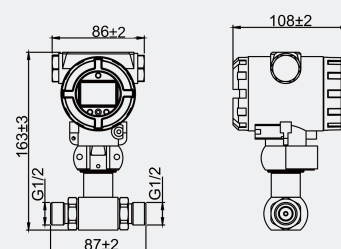
Features

- Compact and easy to install
- High stability, low drift
- Various structures to choose from
- Can be used in industrial applications
- Optional LCD digital display

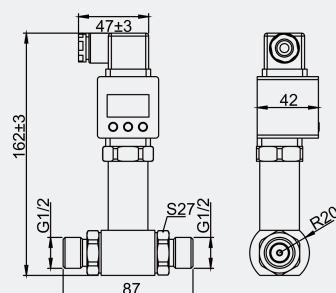
(mm)



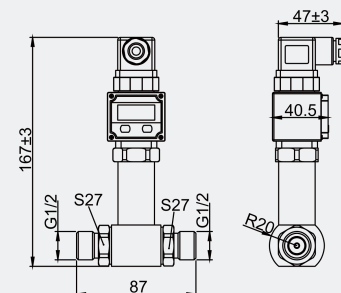
Hirschmann Connector



Explosion-proof Digital Display Model



Digital Display Model – RS485



Digital Display Model – Current / Voltage

Specifications

Differential Pressure Sensor

Measurement Range	0~10kPa...3.5MPa
Overload Pressure	1.5 times of rated pressure
Accuracy ^①	±0.5% F.S. (0~10kPa...3.5MPa) / ±0.25% F.S. (100kPa...3.5MPa)
Stability	<0.5% F.S./Year
Working Temperature	-10°C ~ 60°C
Storage Temperature	-40°C ~ 100°C
Medium	Gas or liquid compatible with 304/316L stainless steel, fluorine rubber or nitrile rubber

Differential Pressure Transmitter

Electrical Performance	Two-wired	Three-wired			Four-wired
Output Signal	4~20mA	0~10V	0~5V	0.5~4.5V	RS485
Power Supply	8~36VDC	12~36VDC	8~36VDC	4.75~5.25VDC	10~30VDC
Electrical connection	DIN43650A (Big Hirschmann), M12 waterproof outlet, GX12 aviation connector (three-core / four-core), M12 four-core aviation connector				

Explosion-proof Digital Differential Pressure Transmitter

Electrical Performance	Two-wired	Three-wired	Four-wired
Output Signal	4~20mA	0~10V	RS485
Power Supply	10~36VDC	12~36VDC	10~36VDC
Electrical connection	M20 waterproof outlet		
Pressure Connection	G1/4, NPT1/4, R1/4, G1/2, 7/16-20UNF, M20×1.5, M10×1, M14×1.5 etc.		
Pressure Form	Differential pressure (D)		
Digital Display	Optional: general type LCD digital display / explosion-proof digital display		
Protection class	IP65: DIN43650A, M12 waterproof outlet, M20 waterproof outlet, M12 four-core aviation connector IP54: GX12 aviation connector		
Certification	CE, RoHS		

① Measured at 25°C, including the comprehensive accuracy of linearity, repeatability and hysteresis.

Selection Code:

Code and description

Remark

TxDP406

Differential Pressure Sensor

Model

*

0~10kPa...3.5MPa

Range

A

4~20mA (Two-wired)

Output Mode

V10

0~10V (Three-wired)

V05

0.5~4.5V (Three-wired)

V0

0~5V (Three-wired)

RS

RS485 (Four-wired)

Unit

K

kPa

P

psi

B

bar

M

MPa

Accuracy

0.25

0.25% F.S.

0.5

0.5% F.S.

Electrical connection

D

DIN43650A (Big Hirschmann)

M

M12 Waterproof outlet

C3

GX12 three cores aviation connector

C4

GX12 four cores aviation connector

H

M12 four cores aviation connector

E

M20 Waterproof outlet (Explosion-proof)

Pressure connection

G

G1/4

N

NPT1/4

G2

G1/2

M20

M20×1.5

M14

M14×1.5

M10

M10×1

U

7/16-20UNF External thread

R

R1/4

Display

1

Without display

2

LCD digital display ②

3

Explosion-proof digital display ③

Cable length

1

1m

2

2m

3

3m

TxDP406

0-10

A

B

0.25

D

N

2

1

Selection Example

② With display code 2, the electrical connection is D (Big Hirschmann) only and the power supply is 12~30VDC for all outputs.

③ With display code 3, the electrical connection is E (M20 waterproof outlet) and the outputs are A, V10 or RS only.

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