

PRESSURE GROUP PRODUCT CATALOGUE 2026



Defining accuracy

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MVBM SERIES BOURDON TUBE PRESSURE GAUGE



Product Features

Measurement range : -1...+1,000 bar (selectable)

Accuracy class : Class 1.6

Case material : 1.4301 (304) stainless steel

Wetted parts material : 1.4404 (316L) stainless steel

Process temperature : -20...80 °C

Ingress protection : IP65

Filling liquid : Glycerin (optional)

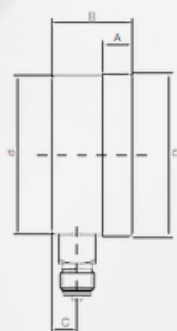
Applications

The MVBM series pressure gauge is a measuring instrument that measures and visually displays the pressure exerted by a gas or liquid within a closed system. It is generally designed for high-precision measurement of liquid and gas pressure in industries such as chemical, petrochemical, mechanical engineering, and water/gas lines, particularly in aggressive environments. Stainless steel Bourdon tube and diaphragm models offer durability under demanding conditions.

Product Coding

MODEL	DIAL SIZE		CONNECTION TYPE	CONNECTION MATERIAL		MEASURING RANGE				VERSION			
MVBM	06	63mm	10	G ¼" male thread		BR	Brass	V1 -1...0 Bar		P5	0...25 Bar	VD	Unfilled
			11	¼" NPT male thread				V2 -1...5 Bar		P6	0...50 Bar		
	10	100mm	20	G ½" male thread		SS	316L SS	V3 -1...9 Bar		P7	0...100 Bar	GD	Glycerin Filled
				V4 -1...15 Bar				P8	0...150 Bar				
	16	160mm	21 ½" NPT male thread		P1 0...1 Bar		P9	0...250 Bar					
			P2 0...4 Bar		P10	0...400 Bar							
	25	250mm	P3 0...10 Bar		P11	0...600 Bar							
P4 0...16 Bar			P12	0...1000 Bar									
		YY	Custom Production										

Product Dimensions



NG	A	B without contact	B 1 or 2 contacts	B 3 contacts	B 4 contacts	C	d	D	E	H	SW	W	X
63 mm	6	31				13	62	68	55		14		
100 mm	17	48	82	97	110	15	100	101	86.5	54	22	0	88
160 mm	21	50	101	120	120	15	159	162	117	56	22	0	118

MVDM Series Digital Pressure Gauge

Features

- 4-digit LCD display accurately shows pressure in real time, making observation easier
- Various pressure units, zero clearing, backlight, and power on/off functions
- Battery-powered, low-power design with up to 12 months of operation
- Equipped with a high-precision pressure sensor

Features

- Machinery and Electronic
- Instrumentation Support Equipment
- Pressurized Laboratory
- Mechanical Engineering Automation

Notes:

1. Do not touch the diaphragm with hard objects; this may damage the diaphragm.
2. Please read the product User Manual carefully and check the product information before installation.
3. Strictly follow the wiring method; otherwise, it may cause product damage or other possible malfunctions.
4. Improper use of the product may result in danger or personal injury.



Overview

MVDM is a high-precision, intelligent digital pressure gauge. It features a high-precision sensor and accurately displays pressure in real time. It offers high accuracy and long-term stability.

MVDM is equipped with a large LCD display featuring zero clearing, backlight, power on/off, and unit switching functions. It is easy to install and operate.

The MVDM body and connector are made of 304 stainless steel, providing excellent vibration resistance. It can be used to measure gases, liquids, oils, and other non-corrosive stainless steel media.

MVDM can be used for portable pressure measurement, equipment support, and calibration applications.

Notes:

1. Do not misuse the documents.
2. The information provided in this product information sheet is for reference only. Do not use this document as a product installation manual.
3. Installation, operation, and maintenance information is provided in the product instructions.
4. Improper use of the product may result in danger or personal injury.

Technical Specifications

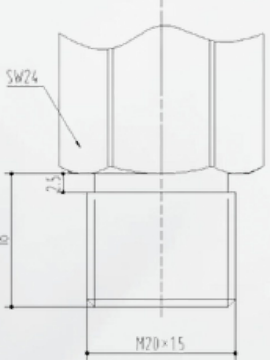
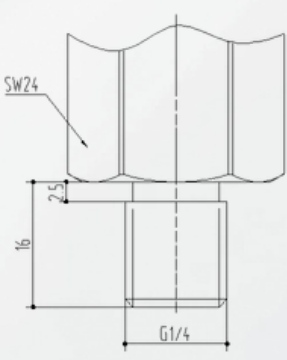
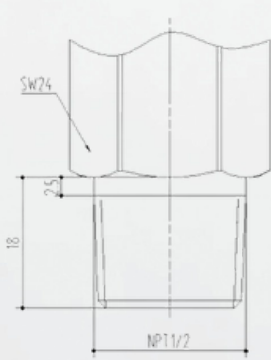
Measurement Ranges	-1...0 bar / 0...1000 bar (Select as shown below)
Reference Pressure	Gauge Pressure, Absolute Pressure, Sealed Gauge Pressure
Measurement Accuracy	0.5% FS
Operating Temperature	-10~70°C
Ambient Temperature	0~60°C
Backlight Color	White
Electrical Protection	Anti-electromagnetic interference design
Sampling Rate	5/sec
Ingress Protection	IP50
Housing Diameter	80mm
Overpressure	150%FS
Long-Term Stability	±0.2%FS/year (standard)
Supply Voltage	2 × AAA batteries
Material	304 SS body, 316L diaphragm and connection

1. Orders for other non-standard ranges are not accepted without confirmation from our sales/technical personnel.
2. For other non-standard ranges, please obtain confirmation from our sales/technical personnel first.
3. If there are any changes afterward, we will inform you separately.

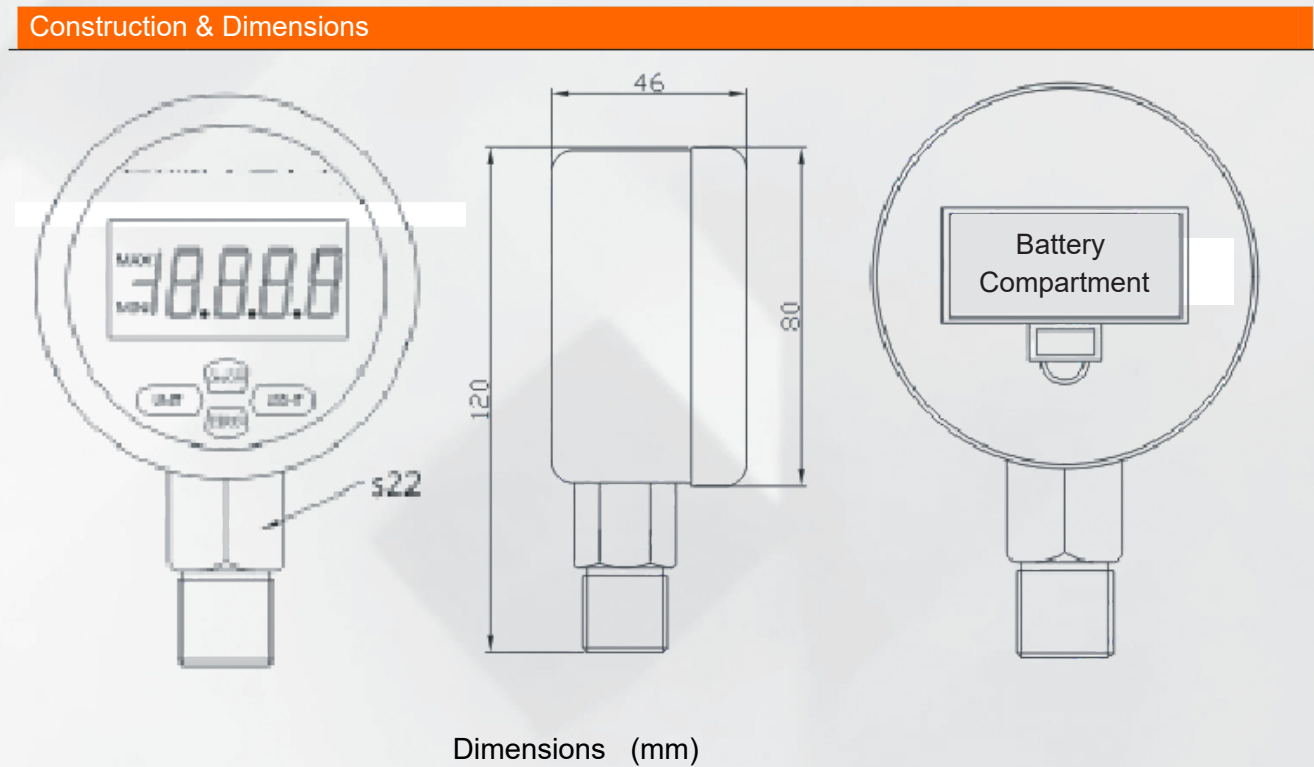
Model Selection

MODEL	PROCESS CONNECTION	MEASUREMENT RANGE
MVDM	10 G ¼" male thread	-1....0 bar / 0...1000 bar
	20 G ½" male thread	Enter the measurement range as shown in the example. Use V for vacuum and P for pressure.
	30 ½" NPT male thread	Example 1: P0/0010 = 0-10 bar Example 2: V-1/0 = -1-0 bar
	YY Special Request	

Example Coding: MVDM-20-P0/0250AA (G 1/2" male thread, 0...250 bar)

Process Side Dimensions			
Type	C1: M20×1.5	C3: G1/4 "	C7: NPT1/2 "
Dimensions (mm)			

Note: Common threads are M20×1.5, G1/4", G1/2", M14×1.5, NPT1/4" and NPT1/2". Custom threads can be manufactured for bulk orders.



MVPS SERIES PRESSURE SENSOR



Measurement Range	: -1...1000 barg
Measurement Accuracy	: $\pm 0.5\%$ (of full scale value)
Process Temperature	: -20...+80 °C
Response Time	: <0.5 s
Sensor Material	: Ceramic Al_2O_3
Housing Material	: 1.4401 (316) stainless steel
Seal Material	: FPM
Process Connection	: G 1/4" / G 1/2" male thread
Connection Material	: 1.4401 (316) stainless steel
Output Signal	: 4...20 mA / 0...10 V (selectable)
Supply Voltage	: 12...30 VDC
Ingress Protection	: IP65

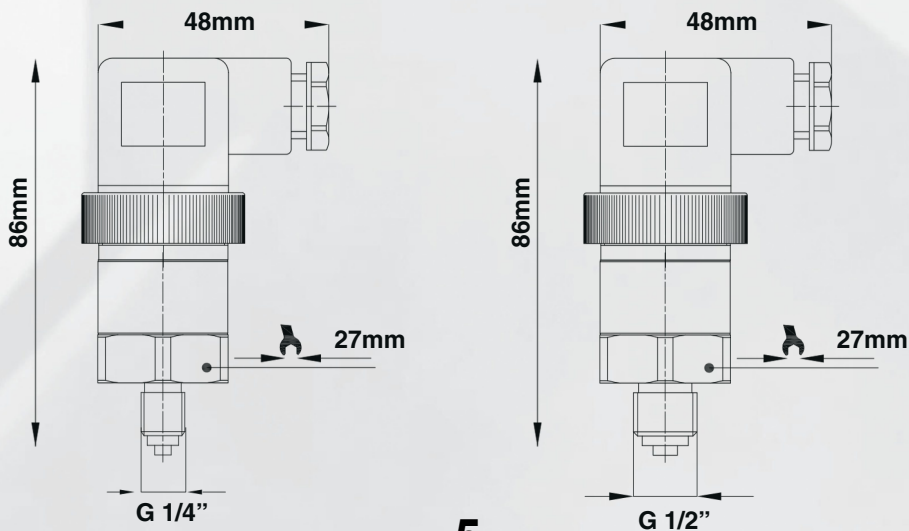
Product Coding

PRODUCT NAME	PROCESS CONNECTION	OUTPUT SIGNAL	MEASURING RANGE	ELECTRICAL CONNECTION
MVPS	05 = G 1/4" male thread	10 = 0...10 VDC	-1...1000 bar Enter the range as shown in the example. Enter P for pressure and V for vacuum. Example 1: P0/0010 = 0–10 bar	01 = DIN 4400 Valve Connector 02 = M12*1 4-Pin Connector 03 = 1,5 m PVC Cable
	15 = G 1/2" male thread	20 = 4...20 mA		

Example Coding: MVPS-15-10-P0/0010-01

G 1/2" male thread, 0...10 VDC, 0...10 bar, DIN 4400 Valve Connector

Product Dimensions



MVFP SERIES

DIAPHRAGM TYPE PRESSURE SENSOR

MVFP Series Diaphragm Type Pressure Sensor



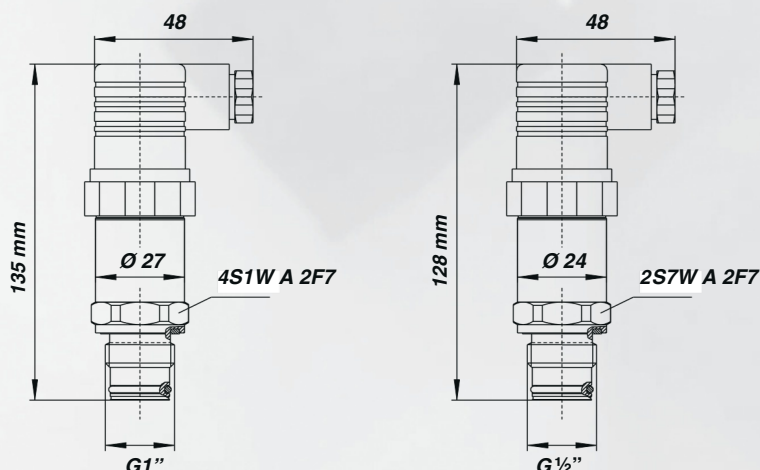
Measuring range	: 0...100 barg
Measurement accuracy	: +/- 0,5 % (of full scale value)
Process temperature	: -20...+80 °C
Response time	: < 0,5 s
Sensor material	: Piezoresistive
Body material	: 1.4401 (316) stainless steel
Seal material	: FPM
Process connection	: G 1" male thread (0...1000 mbarg) G1/2" male thread (3...100 barg)
Connection material	: 1.4401 (316) stainless steel
Output signal	: 4...20 mA, / 0...10 V (selectable)
Supply voltage	: 12...30 VDC
Protection class	: IP65

Product Coding

PRODUCT NAME	PROCESS CONNECTION	OUTPUT SIGNAL	MEASUREMENT RANGE	ELECTRICAL CONNECTION
MVFP	15 = G ½" male thread** 25 = G 1" male thread*	10 = 0...10 VDC 20 = 4...20 mA	01 = 100mbarg 02 = 250mbarg 03 = 500mbarg 04 = 750mbarg 05 = 1000mbarg 06 = 3 barg 07 = 5 barg 10 = 10 barg 16 = 16 barg 25 = 25 barg 40 = 40 barg 60 = 60 barg 80 = 80 barg 100 = 100 barg	01 = DIN 4400 Valve Connector 02 = M12*1 4-Pin Connector 03 = 1.5 m PVC Cable

Between 100...1000 mbar Between ** 3...100 bar

Product Dimensions



MVIPS Series Smart Pressure Gauge

Features

- High accuracy
- Adjustable response time
- NPN / PNP compatible, freely selectable
- Key operation, shortcut key for one-click zero calibration, quick unit switching
- OLED display, for node movement displays the current pressure LED,
- Easy to observe.

Application Areas and Industries

- *Hydroelectric Energy*
- *Chemical Industry*
- *Urban Water Supply*
- *Scientific Research*
- *Precise Measurement and Control of Liquid Pressure*

Notes:

1. Do not allow the diaphragm to come into contact with hard objects, as this may damage the diaphragm.
2. Carefully read the product User Manual before installation and check the relevant product information.
3. Strictly follow the wiring method for wiring; otherwise, it may damage the product or cause other potential malfunctions.
4. Improper use of the product may result in danger or personal injury.



Product Overview

The MVIPS Series Smart Pressure Gauge is an intelligent pressure measurement and control product that integrates pressure measurement, monitoring, output and control. The product features a fully electronic design. A piezoresistive silicon pressure sensor is used at the front end. The output signal is processed by an amplifier with high accuracy and low temperature drift, and then sent to a high-precision A/D converter. After arithmetic processing by the microprocessor, the output signal is displayed and controlled on site via PNP-NPN contacts and a 4-20mA analog signal, enabling pressure measurement and control of the control system.

This smart digital pressure measurement unit offers the advantages of flexible use, simple operation, easy commissioning, high safety and reliability. It is widely used for measuring, displaying and controlling the pressure of liquid media in hydroelectric power, municipal water supply, petroleum, chemical, machinery, hydraulic and other industries.

Notes:

1. Do not misuse the documentation.
2. The information provided in this product information sheet is for reference only. Do not use this document as the product installation manual.
3. All information regarding installation, operation and maintenance is provided in the product user manual.
4. Improper use of the product may result in danger or injury.

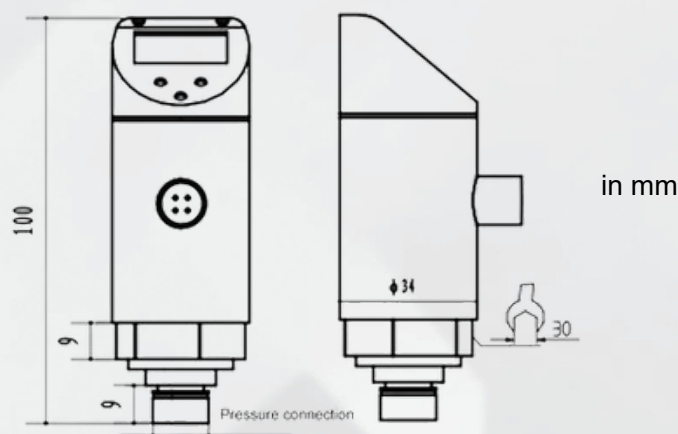
Technical Data

Measurement range	-1...0 bar 0...400 bar (optional)
Overload capacity	150~300%FS
Measurement accuracy	±0.5%FS
Supply voltage	12~30VDC, (recommended 24VDC)
Local display	4 Dijit OLED ekran
Output signal	4~20mA + NPN / PNP kontak
Isolation	≤15mA
Power consumption	-25°C~80°C
Response time	-40°C~100°C
Storage temperature	≤20ms
Operating temperature	100MΩ/250VDC

Structural performance parameters

Enclosure material	304 Stainless steel
Material	Wetted parts 316L, pressure inlet 304 Stainless steel

Product Dimensions



Order Code Creation

MODEL	PROCESS CONNECTION	MEASUREMENT RANGE	OUTPUT SIGNAL
MVIPS	10 G ¼" male thread	-1....0 bar / 0...400 bar Enter the range as shown in the example. Enter V for vacuum and P for pressure. Example 1: P0/0010 = 0-10 bar Example 2: V-1/0 = -1-0 bar	AA 4...20 mA AV 0...10 vdc
	20 G ½" male thread		
	30 ½" NPT male thread		
	YY special selection		

EXAMPLE: MVIPS-20-P0/0250-AA (G 1/2" male thread, 0...250 bar, 4...20 mA)

MVDPS Series Smart Differential Pressure Sensor



Features

- High accuracy
- Adjustable response time
- NPN, PNP compatible, freely selectable
- Button operation, shortcut button for one-click zero calibration and quick unit switching
- OLED display shows the current pressure
- LED display shows the switch action, easy to observe

Application Areas and Industries

- Precise Measurement and Control of Liquid Pressure
- Hydroelectric Energy
- Chemical Industry
- Urban Water Supply
- Scientific Research

Notes:

Do not allow the diaphragm to come into contact with hard objects, as this may damage the diaphragm.

Carefully read the product User Manual before installation and check the relevant product information.

Strictly follow the wiring method for wiring; otherwise, it may damage the product or cause other potential malfunctions.

Improper use of the product may result in danger or personal injury.

Product Overview

The MVDPS Smart Differential Pressure Switch is an intelligent pressure measurement and control product that integrates pressure measurement, monitoring, output and control. The product features a fully electronic design. A piezoresistive silicon pressure sensor is used at the front end. The output signal is processed by an amplifier with high accuracy and low temperature drift, and then sent to a high-precision A/D converter. After arithmetic processing by the microprocessor, on-site monitoring and control are performed via NPN-PNP contacts and a 4~20mA analog signal.

This smart digital differential pressure control device offers the advantages of flexible use, simple operation, easy commissioning, high safety and reliability. It is widely used for measuring, displaying and controlling the pressure of liquid media in hydroelectric power, municipal water supply, petroleum, chemical, machinery, hydraulic and other industries.

Notes:

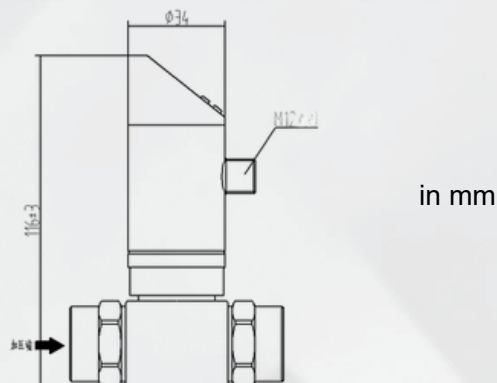
1. Do not misuse the documentation.
2. The information provided in this product information sheet is for reference only. Do not use this document as the product installation manual.
3. All information regarding installation, operation and maintenance is provided in the product user manual.
4. Improper use of the product may result in danger or personal injury.

Technical Data

Measurement range	0...25 bar
Overload capacity	0...0,1 bar 300%FS 0,1...25 bar 200%FS
Measurement accuracy	0.5% FS
Supply voltage	12...28VDC, (24VDC recommended)
Local display	4-digit OLED display
Output signal	4~20mA + NPN / PNP contact
Load capacity	≤24V 1.2A
Power consumption	≤15mA
Operating temperature	-25°C...80°C
Storage temperature	-40°C...100°C
Response time	≤10ms
Isolation	100MΩ/250VDC
Protection class	IP65

Structural Performance Parameters

Enclosure material	304 SS
Material	Wetted parts 316L, pressure inlet 304 Stainless steel



Order Code Creation

MODEL	PROCESS CONNECTION	MEASUREMENT RANGE	OUTPUT SIGNAL	
MVDPS	10 G ¼" female thread	0...25 bar		
	20 G ½" female thread	Enter the range as shown in the example. Enter P for pressure. Example: P0/0010 = 0-10 bar	AA	4...20 mA
	30 ½" NPT female thread		AV	0...10 vdc
	YY special selection			

Features

- Uses an advanced MEMS monocrystalline silicon pressure sensor chip
- Covers a wide pressure range
- Two-wire connection, 4 ~ 20mA and HART® protocol digital communication options
- Backlit smart LCD display
- Local zeroing and pressure range adjustment
- Complete range, high accuracy and good stability
- Flameproof isolated housing structure with strong resistance to frequency conversion interference
- No mechanical transmission parts, strong vibration resistance

Application areas and industries

- Process control applications in industries such as petroleum, chemical, metallurgy, power, food, paper production, medical, machinery manufacturing, scientific experiments and military aviation.

Notes:

1. Do not allow the diaphragm to come into contact with hard objects, as this may damage the diaphragm.
2. Carefully read the product User Manual before installation and check the relevant product information.
3. Strictly follow the wiring method for wiring. Otherwise, it may damage the product or cause other potential malfunctions.

Smart Pressure Transmitter



Product Overview

The MVSPT uses an advanced MEMS monocrystalline silicon pressure sensor chip. After the sensor signal undergoes standard aging and stability screening through a dedicated signal processing module, the product is used in various environmental applications. It can also display the on-site pressure, zero point and full-scale value. The mounting port of the MVSPT monocrystalline silicon pressure transmitter can be customized according to user requirements and is also compatible with transmitters from other brands. This product series is widely used in industrial process control, petroleum, chemical, metallurgy and other industries.

Notes:

1. Do not misuse the documentation.
2. The information provided in this product information sheet is for reference only. Do not use this document as the product installation manual.
3. Complete installation, operation and maintenance information is provided in the product instructions.

Technical Data	
Measurement Range	-1...400 bar
Reference pressure	Gauge Absolute
Supply voltage	12V~32VDC, (24VDC recommended)
Output signal	4~20mA (HART protocol optional)
Measurement accuracy	±60 mbar ±0.1%FS; Other ranges: ±0.075%FS
Temperature drift	60mbar: ±0.3%FS; Other pressure ranges: ±0.25%FS
Storage temperature	-30 °C~ 80 °C; With display: -30°C~70°C
Process temperature	-40 °C~ 120 °C
Vibration resistance	20g (20~5000Hz)
Shock resistance	10 0g (11m s)
Electronic housing material	Painted aluminum
Long-term stability	±0.1%FS/year
Protection class	IP67
Ex-proof class	None
Material	316L diaphragm
Material resistance	Same as SS316L resistance
Response time	HART data acquisition time: 0.1s; HART output signal time: 0.5s

Order Code

MODEL	PROCESS CONNECTION	MEASUREMENT RANGE	OUTPUT SIGNAL
MVSPT	10 G ½" female thread	-1...400 bar	AA 4...20 mA AH 4...20 mA HART
	20 G ½" male thread	Enter the range as shown in the example. Enter P for pressure and V for vacuum.	
	30 ½" NPT female thread	Example 1 : P0/0010 = 0-10 bar	
	YY special selection	Example 2 : V-1/0 = -1...0 bar	

Example model code : MVSPT-30-P0/0100-AH 1/2" NPT female thread, 0-100 bar, 4...20 mA HART

MVCPT Chemical Smart Pressure Transmitter

Features

- Covers a wide pressure range
- Two-wire connection, 4 ~ 20mA and HART® protocol digital communication options
- Backlit smart LCD display
- Local zeroing and pressure range adjustment
- Complete range, high accuracy and good stability
- Isolated explosion-proof housing structure with strong resistance to frequency conversion interference
- No mechanical transmission parts, strong vibration resistance

Application areas and industries

- Process control applications in industries such as petroleum, chemical, metallurgy, power, food, paper production, medical, machinery manufacturing, scientific experiments and military aviation.

Notes:

1. Do not allow the diaphragm to come into contact with hard objects, as this may damage the diaphragm.
2. Carefully read the product User Manual before installation and check the relevant product information.
3. Strictly follow the wiring method for wiring. Otherwise, it may damage the product or cause other potential malfunctions.



Product overview

The MVCPT uses an advanced MEMS ceramic capacitive pressure sensor chip. The sensor signal is converted into a standard signal output by a dedicated signal processing module. After long-term aging and stability screening, the product performance is stable and reliable. It is suitable for outdoor applications where environmental conditions are harsh. It can also display the on-site pressure, zero point and full-scale value. The mounting port of the MVCPT ceramic capacitive pressure transmitter can be customized according to user requirements and is also compatible with transmitters from other brands. This product series is widely used in industrial process control, petroleum, chemical, metallurgy and other industries.

Notes:

1. Do not misuse the documentation.
2. The information provided in this product information sheet is for reference only. Do not use this document as the product installation manual.
3. Complete installation, operation and maintenance information is provided in the product instructions.

Technical Data

Measurement Range	-1...2.5 bar 0...25 bar
Reference pressure	Gauge Absolute
Supply voltage	12V~32VDC, (24VDC recommended)
Output signal	4~20mA (HART protocol optional)
Measurement accuracy	0.5%FS
Temperature Drift	0.05%FS
Storage temperature	-30 °C~ 80 °C with display -30°C~70°C
Process temperature	-20 °C~ 80 °C
Vibration resistance	20g (20~5000Hz)
Shock resistance	100g (11m s)
Electronic housing material	Painted Aluminum
Long-term stability	≤±0.2%FS/year
Protection class	IP65
Diaphragm material	99.9% Al ₂ O ₃ (Ceramic Capacitive)
Wetted parts material	1,4404(316L), HastelloyC4, PTFE, PVDF
Material resistance	Same as SS316L resistance
Response time	HART data acquisition time: 0.1s HART output signal time: 0.5s

Order Code Creation

MODEL	PROCESS CONNECTION	WETTED PART MATERIAL	MEASUREMENT RANGE	OUTPUT SIGNAL
MVCPT	40 G 1 ½" female thread	01 1,4404(316L)	-1...2,5 bar 0...25 bar Enter the range as shown in the example. Enter P for pressure and V for vacuum. Example 1 : P0/0010 = 0-10 bar	AA 4...20 mA AH 4...20 mA HART
	50 1 ½" NPT male thread	02 HastelloyC4		
	60 DN50 PN40 Flange	03 PTFE		
	YY special selection	04 PVDF		

Example model code : MVCPT-60-01-P0/010-AH

DN50 PN40 Flange, 1,4404(316L), 0-10 bar, 4...20 mA HART

Features

- Uses an advanced monocrystalline silicon differential pressure sensor.
- Wide pressure range options up to ± 3 MPa.
- Two-wire connection, 4...20 mA analog output and optional HART® protocol digital communication.
- Backlit smart LCD display.
- Remote signal transmission and local zero point / pressure range adjustment.
- Wide range of models, high accuracy and high stability.
- Isolated ex-proof (explosion-proof) housing structure with high resistance to frequency converter interference.
- High static pressure resistance and overpressure protection.
- Patented dual overload-protected diaphragm design.
- Lightning protection circuit design.

Applications

- Used in process control applications in industries such as petroleum, chemical, metallurgy, power, food, paper, pharmaceutical, machinery manufacturing, scientific research and military aviation.

Notlar:

1. Diyaframa sert cisimlerle temas ettirmeyin; bu durum diyaframın zarar görmesine neden olabilir.
2. Kurulumdan önce ürünün kullanım kılavuzunu dikkatlice okuyun ve ürünle ilgili bilgileri kontrol edin.
3. Kablolama işlemini kesinlikle belirtilen bağlantı yöntemine uygun şekilde yapın; aksi takdirde ürün hasar görebilir veya farklı arızalara yol açabilir.
4. Ürünün yanlış kullanımı tehlikeye veya kişisel yaralanmalara neden olabilir.

MVDPT Smart Differential Pressure Transmitter



Product Description

MVDPT Smart Differential Pressure Transmitter

This transmitter is a high-performance and advanced pressure transmitter based on internationally advanced technology. It is designed using advanced monocrystalline silicon pressure sensor technology and a patented packaging process.

The product features a patented dual overload-protected diaphragm design and an internal circuit overvoltage protection structure. It can accurately measure gauge pressure, flow, vacuum level, liquid level and density.

Notes:

1. Do not misuse the documentation.
2. The information provided in this product data sheet is for reference only. Do not use this document as the product installation manual.
3. All information regarding installation, operation and maintenance is provided in the product operating instructions.
4. Improper use of the product may result in danger or personal injury.

Performance Parameters	
Pressure range	±1kPa; ±6kPa; ±40kPa; ±100kPa; ±250kPa; ±1MPa; ±3MPa
Pressure reference	Fark basınç
Supply voltage	12VDC~32VDC, 24VDC önerilir
Output signal	4~20mA+HART® protokolü
Electrical discharge	Ulusal standart 4 (IEC61000-4-2; GB/T 17626.2), voltaj 15KV, temaslı deşarj
Electrical fast transient (EFT)	Ulusal standart 3 (IEC61000-4-4; GB/T 17626.4), voltaj 2KV, darbe süresi 75ns, frekans 100kHz
Overvoltage / Surge	Ulusal standart 3 (IEC61000-4-5; GB/T 17626.5), voltaj 2KV
Accuracy	±1kPa: ±0.2%FS; ±6kPa: ±0.1%FS; Diğer standart basınç aralıkları: ±0.075%FS (25±5°C)
Temperature coefficient	±0.5%FS(±1kPa); ±0.3%FS(±6kPa); ±0.25%FS(Diğer aralıklar); @-20°C~70°C
Ambient temperature	-30°C~80°C; LCD ekranlı gösterge ile -30°C~70°C
Fluid temperature	-40°C~125°C
Protection class	IP67
Explosion-proof class	Exd IIC T6 Gb
Static pressure range	±1kPa;±6kPa;±40kPa Static pressure resistance: 16 MPa ±100 kPa; -100...250 kPa Static pressure resistance:16 MPa-0.1...1 MPa; -0.1...3 MPa Static pressure resistance: 16 MPa
Overpressure limit	16MPa
Long-term stability	±0.1%FS/year
Structural Performance	
Diaphragm material	SS316L
Drain/vent valve	SS316
O-ring	Silicone rubber (in contact with the measured medium)
Fill fluid	Silicone oil
Flange and terminal block	SS316L
Housing material	Epoxy resin-coated cast aluminum alloy
Electrical connection	M20×1.5 (female), NPT1/2 (female)
Process Connection	Welded tube M20×1.5 (male), 304 three-way valve manifold with welded tube M20×1.5 (male) Welded tube M20×1.5, NPT1/4(D), NPT1/2, NPT1/2(D), welded tube G1/2, G1/4 Three-way valve manifold with welded tube M20×1.5 (304/316 optional), three-way valve manifold NPT1/4D (304/316 optional)
Weight	3.5 kg (excluding optional accessories)

Order Code Configuration

MODEL	PROCESS CONNECTION	MEASUREMENT RANGE	OUTPUT SIGNAL
MVDPT	10 G ½" female thread	-1...400 bar	AA 4...20 mA AH 4...20 mA HART
	20 G ½" male thread	Enter the range as shown in the examples below. Enter "P" for pressure and "V" for vacuum. Example 1: P0/0010 = 0...10 bar Example 2: V-1/0 = -1...0 bar	
	30 ½" NPT female thread		
	YY special selection		

Model Code Example: MVDPT-30-P0/0100-AH

1/2" NPT female thread, 0-100 bar, 4...20 mA HART

External Dimensions

Product Model	Dimensions Picture	in mm
MVDPT (Excluding Accessories)	The technical drawing shows three views of the MVDPT pressure transmitter. The front view (top left) shows a circular top with a diameter of 133 mm and a mounting flange diameter of 104 mm. The side view (top right) shows a cylindrical body with a diameter of 78 mm and a total height of 115 mm. The bottom view (bottom left) shows a square base with a side length of 81 mm and a mounting flange diameter of 105 ± 5 mm. The bottom right view shows a side profile of the base with a width of 55 ± 2 mm and a height of 41.20 mm. The overall height of the unit is 180 ± 10 mm.	

MVPR-ACC PRESSURE GROUP ACCESSORIES

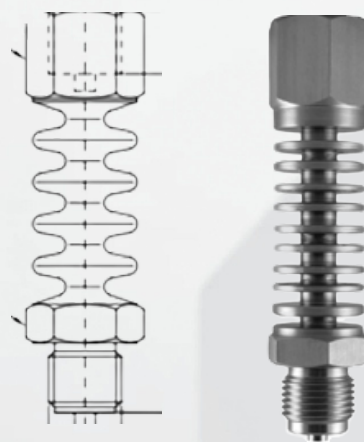
SINGLE-PIECE COOLING ELEMENT

Product Description

The pressure sensor cooling element is a metal adapter and heat-dissipating component used in industrial processes involving excessively hot fluids or environments. It prevents high temperatures from damaging sensitive measuring instruments by creating a distance and thermal barrier between the hot fluid and the sensor, allowing the temperature to drop to safe levels. It typically features radiator-like cooling fins that facilitate the dissipation of heat into the surrounding air.

Technical Data

- Optimum surface area / geometry ratio
- Maximum process temperature: 300 °C
- Material: 316 SS
- Economical
- Maximum process pressure: 600 bar



MODEL CODE	DESCRIPTION
MVPR-ACC-CLR-1/2-1/2	1/2" female - 1/2" male thread
MVPR-ACC-CLR-1/2-1/4	1/2" female 1/4" male thread
MVPR-ACC-CLR-1/4-1/2	1/4" female 1/2" male thread
MVPR-ACC-CLR-1/4-1/4	1/4" female 1/4" male thread
MVPR-ACC-CLR-1-1	1" female 1" male thread

MVPR-ACC PRESSURE GROUP ACCESSORIES

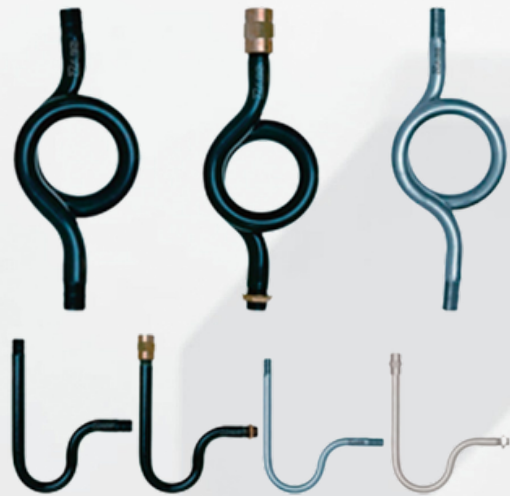
SIPHON

Product Description

A siphon for pressure sensors (or pressure gauges) is a curved or coiled metal tube used to protect sensitive measuring instruments from extremely hot fluids such as superheated steam. By trapping condensed water inside, it prevents the hot medium from directly damaging the instrument. It is also used to protect the sensor from excessive heat and to dampen pressure pulsations.

Technical Data

- O- or U-type design
- Max. 180 °C
- Carbon steel or 316 SS material
- 1/2" connection, swivel connection, nut, male or female threaded connection options
- Maximum process pressure: 100 bar
- 180° helical design



MODEL CODE	DESCRIPTION
MVPR-ACC-SYPCS 1/2-1/2	1/2" female 1/2" male thread, Carbon steel
MVPR-ACC-SYPCS 1/4-1/4	1/4" female 1/4" male thread, Carbon steel
MVPR-ACC-SYPSS 1/2-1/2	1/2" female 1/2" male thread, Stainless steel
MVPR-ACC-SYPSS 1/4-1/4	1/4" female 1/4" male thread, Stainless steel

MVPR-ACC PRESSURE GROUP ACCESSORIES

PLUG-ON DISPLAY

Product Description

A plug-on display for a pressure sensor is a digital module that is directly mounted between the electrical connector (typically DIN 43650 / ISO 4400) of a pressure transmitter and the transmitter itself, providing an instant local display of the pressure value. It enables on-site reading without the need for additional wiring or panel modifications.

Technical Data

- 4-digit red LED display
- Display range: -1999...9999
- Loop-powered 4...20 mA
- IP65 protection rating
- DIN 43650 electrical connection



MODEL CODE	DESCRIPTION
MVPR-ACC-MVSD	Loop-Powered, 4-Digit Local Display

MVPR-ACC PRESSURE GROUP ACCESSORIES

2-WAY MANIFOLD

Product Description

A 2-way manifold is a two-valve control block used in industrial processes to safely isolate measuring instruments such as pressure gauges or pressure transmitters from the main line and to release excess pressure in the line.

Technical Data

- F-type or angle-type design
- Max. 200 °C
- 316 SS material
- 1/2" female threaded connection
- Maximum process pressure: 420 bar
- Process temperature: -40...+150 °C



MODEL CODE	DESCRIPTION
MVPR-ACC-2WMF-F	F-Type 2-Way Manifold Valve

MVPR-ACC PRESSURE GROUP ACCESSORIES

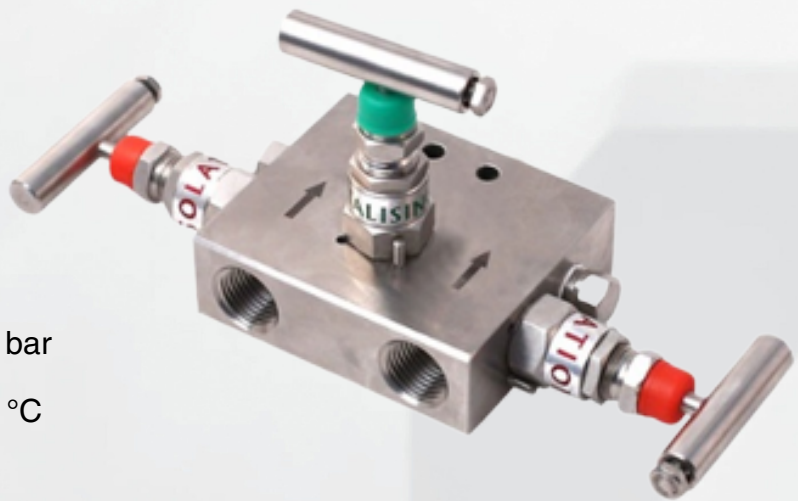
3-WAY MANIFOLD

Product Description

A 3-way manifold is a heavy-duty valve block used in industrial fluid systems, particularly for safely connecting, isolating, and calibrating differential pressure transmitters. It consists of two block (isolation) valves and one equalizing valve.

Technical Data

- F-type or angle-type design
- Max. 200 °C
- 316 SS material
- 1/2" female threaded connection
- Maximum process pressure: 420 bar
- Process temperature: -40...+200 °C



MODEL CODE	DESCRIPTION
MVPR-ACC-3WMF	3-Way Manifold Valve

MVPR-ACC PRESSURE GROUP ACCESSORIES

5-WAY MANIFOLD

Product Description

Five-way manifold valves designed for differential pressure transmitters consist of two (2) isolation valves, two (2) bleed valves, and one (1) equalizing valve integrated into a compact assembly. Designed to operate under high pressure and temperature conditions, these manifolds are suitable for a wide range of industrial applications.

Technical Data

- ½" NPT female threaded connection
- DN 6 orifice diameter
- Maximum process temperature: 200 °C
- Maximum process pressure: 420 bar
- 316 SS material



MODEL CODE	DESCRIPTION
MVPR-ACC-5WMF	5-Way Manifold Valve



Defining accuracy

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