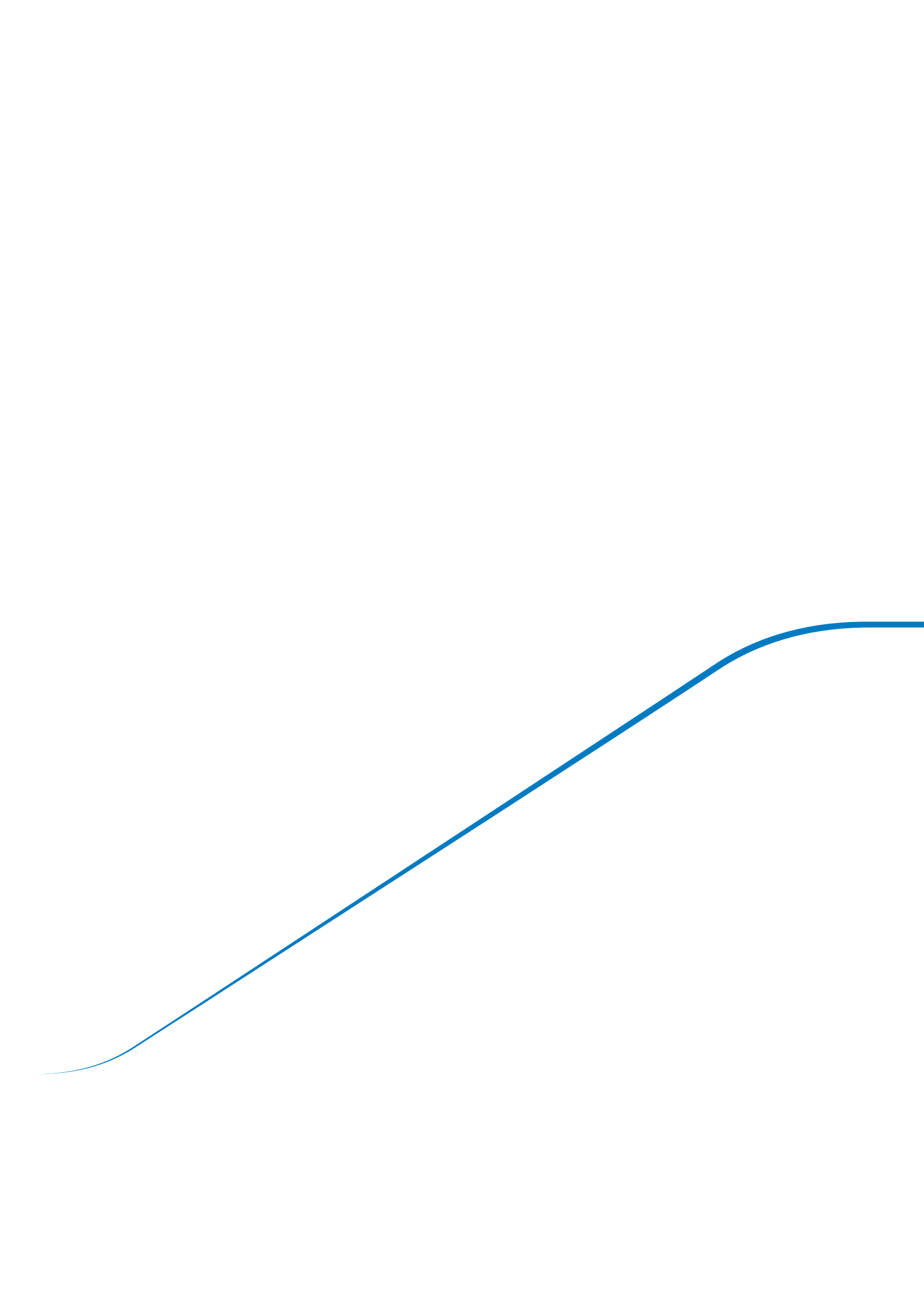**SMC**

Expertise – Passion – Automation

MPa

Because it makes perfect sense

Sensors

Quick overview

Sensors

> **Facilities that take advantage of data can pursue the optimisation of their processes through the increase in assets such as efficiency and obviously productivity. In those terms, sensors turn out to be an ubiquitous element as a source of that valuable information**

Only by knowing what is happening at your machines, at all times, will you be able to take decisions that will lead to the increase in the productivity and efficiency of your processes. Simply because you can't manage what you don't know. It makes perfect sense, doesn't it?

Maintain optimum productivity, the task of the today's ever present e-Maintenance, would not be possible without sensors. Building the flexible machines that the market is demanding involves the installation of sensors that assist in information gathering.

On the other hand, efficiency nowadays is written in green. Within the 5 cornerstones which, as far as we're concerned, constitute Energy Efficiency, is monitoring. Monitoring air consumption to detect hidden energy waste. Monitoring relays, again, in sensors, because only "What gets measured, gets managed". It makes perfect sense, doesn't it?

Facilities that take advantage of data can pursue the optimisation of their processes through the increase in assets such as efficiency and obviously productivity. In those terms, sensors turn out to be an ubiquitous element as a source of that valuable information.

But, what can SMC's Sensors do for you?

The following pages incorporate SMC's wide range of sensing solutions designed to gather and provide you with the information you need in an easy way. Several of them are fitted with 3 screens and feature two to three colours. With the possibility of easy programming in just 3 steps, and with many additional features that will simplify your day-to-day interaction with them even more.

A portfolio of sensors capable of monitoring a diverse range of fluids. Pressure and flow sensors. Sensors with rotary display to ease the reading that allow you to check the measured value while you set the sensor. Sensors with different types of outputs such as PNP/NPN, analogue (voltage/current) and IO-link.

Why an SMC Sensor? Because it makes perfect sense

General specifications

Pressure switches main features

3 setting modes

3-step setting mode	Simple setting mode	Function selection mode
• Threshold value setting or • Hysteresis value setting	• Threshold value setting • Hysteresis value setting • Delay time selection	• Output mode selection • Selection of normal or reversed • Threshold value setting • Hysteresis value setting • Delay time selection • Display colour selection

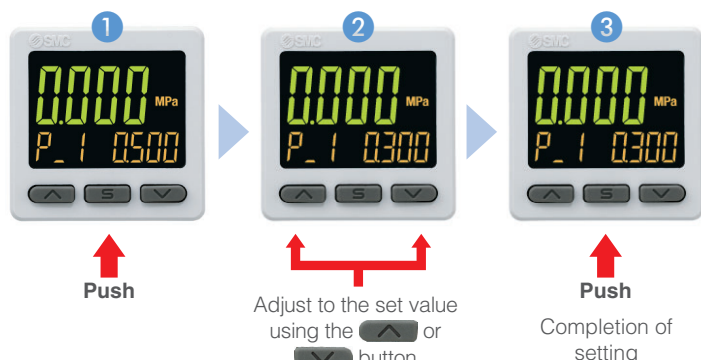Simple ◄ **Settings** ► Higher function
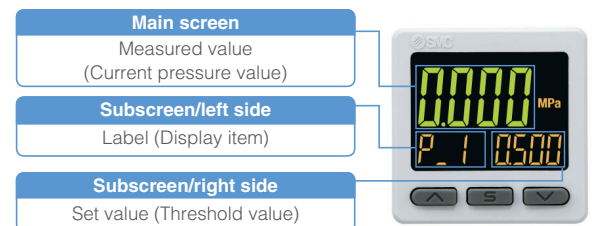
3-colour display

Enjoy IO-Link advantages
- Remote configuration
- Diagnosis
- Reduce wiring
- Easy sensor replacement
- Tamper free.

Simple 3-step setting

① **②** **③**

Push

Adjust to the set value using the ∧ or ∨ button

Push

Completion of setting

3-screen display
While checking the measured value, setting is possible Subscreen (label) shows the item to be set.

Main screen
Measured value (Current pressure value)

Subscreen/left side
Label (Display item)

Subscreen/right side
Set value (Threshold value)

For dimensions and other details refer to the general catalogue of each series in www.smc.eu

Flow switches main features

3-colour display

Flow ratio 100:1
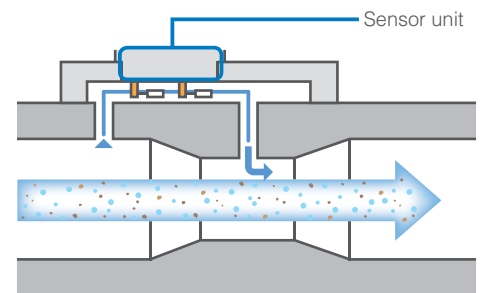Wide range of flow measurement with one product.

Rotary display
To ease the reading

By-pass structure to improve the product life
Reduced contact of moist air and foreign matter with the sensor.

Sensor unit

Pressure switches portfolio

	Applicable fluid	Rated pressure range [l/min]	Output type	Enclosure	Piping	Functions
Integrated type						
ZSE10(F)/ISE10	Air	0.0 to -101.0 kPa, -100.0 to 100.0 kPa, -0.100 to 1.0 MPa	NPN/PNP open collector Analogue output (Voltage)	IP40	M5 Female thread 1/8 (R, NPT)	3 step setting Copy function Power saving mode Anti-chattering Display value fine adjustment Setting of security code Panel mount
ZSE20(F)/ISE20			NPN/PNP open collector 1 output			3-screen display 3 step setting Power saving mode Anti-chattering Display value fine adjustment Setting of security code Panel mount
ZSE20A(F)/ISE20A			NPN/PNP open collector 2 outputs Analogue output (Voltage/Current)			3-screen display 3 step setting Copy function Auto shift Power saving mode Anti-chattering Display value fine adjustment Setting of security code Panel mount
ZSE20B(F)/ISE20B				IP65		
ZSE20B(F)-L/ ISE20B-L		0.0 to -100.0 kPa, -100.0 to 100.0 kPa, 0.0 to 1.0 MPa	IO-Link/Switch: 1 output (PNP or NPN switching type for switch output)			3-screen display 3 step setting Power saving mode Anti-chattering Display value fine adjustment Setting of security code Panel mount
ZSE20C(F)/ISE20C(H)	General fluids	-100.0 to 100.0 kPa, 0.0 to -101.0 kPa, -0.100 to 1.0 MPa, -0.100 to 2.0 MPa	NPN/PNP open collector 2 outputs Analogue output (Voltage/Current)		1/8 (Rc) 1/4 (R, NPT, G) [1] 1/4 (URJ [2], TSJ) [3]	3-screen display 3 step setting Copy function Auto shift Power saving mode Anti-chattering Display value fine adjustment Setting of security code Panel mount
ISE70/71	Air	0 to 1.0 MPa, 0 to 1.6 MPa	2 outputs (IO-Link: Switch output 1 + Switch output 2 Switch output: NPN or PNP switching type Open collector	IP67	1/4 (Rc, NPT, G) [4]	3-screen display 3 step setting Power saving mode Anti-chattering Display value fine adjustment Setting of security code
ISE7□G	General fluids	0 to 1.0 MPa, 0 to 2.0 MPa, 0 to 5.0 MPa, 0 to 10.0 MPa			1/4 (Rc, NPT, G) [4]	

For dimensions and other details refer to the general catalogue of each series in www.smc.eu

	Applicable fluid	Rated pressure range [l/min]	Output type	Enclosure	Piping	Functions
Gap checker						
ISA3	Dry air	Rated distance range: 0.01 to 0.03 mm (F type) 0.02 to 0.15 mm (G type) 0.05 to 0.30 mm (H type)	NPN/PNP open collector 1 output	IP67	Supply side: 1/8 (Rc)(type C), 1/8 (G) [4] (type F) Detection side: Ø 4, Ø 6 (type C), 1/8 (G) [4] (type F)	3 step setting Display value fine adjustment Setting of security code
Remote sensor						
PSE570	General fluids	0 to 1 MPa, -100 to 100 kPa, 0 to 500 kPa, 0 to 2 MPa, 0 to 5 MPa, 0 to 10 MPa	Analogue output (Voltage/Current)	IP65	1/8 (R) [1] 1/4 (R) [1]	—
PSE530	Air	0 to 1 MPa, 0 to -101 kPa, 0 to 101 kPa, -101 to 101 kPa	Analogue output (Voltage)	IP40	M5 Ø 6 (Reducer) 1/4" (Reducer)	
Monitor						
PSE300AC	—	Set pressure range: -0.2 to 2.1 kPa, 10 to -105 kPa, -105 to 105 kPa, -10 to 105 kPa, -50 to 525 kPa, -0.105 to 1.05 MPa, -0.105 to 2.1 MPa, -0.1 to 5.25 MPa, -0.1 to 10.5 MPa	NPN or PNP switching type open collector 2 outputs	IP65	—	3-screen display 3 step setting Power saving mode Anti-chattering Display value fine adjustment Setting of security code
PSE300		Set pressure range: -0.1 to 1 MPa, 10 to -101 kPa, -101 to 101 kPa, -10 to 100 kPa, -50 to 500 kPa, -0.2 to 2 kPa	NPN/PNP open collector 2 outputs Analogue output (Voltage/Current)	IP40		Auto shift Anti-chattering Display value fine adjustment Panel mount
PSE200		Set pressure range: -0.1 to 1 MPa, 10 to -101 kPa, -101 to 101 kPa, -10 to 101 kPa	NPN/PNP open collector 1ch: 2 outputs 2 to 4ch: 1 output	Front face: IP65 (Others: IP40)		Copy function Auto shift Anti-chattering Display value fine adjustment Panel mount

1) M5 female threaded.
2) Face seal fitting.
3) Compression fitting.
4) Conforming to ISO 1179-1.

Flow switches portfolio

	Applicable fluid	Rated flow range [l/min]	Output type	Enclosure	Piping	Functions
Integrated type						
PF3A7☐H	Air, N_2	30 to 3000, 60 to 6000, 120 to 12000	NPN/PNP open collector Accumulated pulse output Analogue output (Voltage/Current)	IP65	1/2, 3/4 (Rc, NPT, G) [2]	Rotary reversible display Bypass structure Grease-free Setting of security code
PFMC	Dry air, N_2	5 to 500, 10 to 1000, 20 to 2000		IP40	1/2, 3/4 (Rc, NPT, G) [3]	Rotary display Bypass structure Grease-free Setting of security code
PFMB		2 to 200, 5 to 500, 10 to 1000, 20 to 2000				Flow adjustment valve Reversible display Bypass structure Grease-free Setting of security code
PFM7	Dry air, N_2, Ar, CO_2	0.2 to 10, 0.5 to 25, 1 to 50, 2 to 100			1/8, 1/4 (Rc, NPT, G) [1] Ø 4 (5/32”), Ø 6, Ø 8 (5/16”), Ø 1/4”	Flow adjustment valve Grease-free Power-saving mode Setting of security code
PF3W	Water, ethylene glycol, aqueous solution	0.5 to 4, 2 to 16, 5 to 40, 10 to 100, 50 to 250		IP65	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 (Rc, NPT, G) [3]	Flow adjustment valve Rotary display Grease-free Power-saving mode Setting of security code
PF3W (PVC piping type)	Water, deionized water, chemical liquids	10 to 100, 30 to 250			25A, 30A	Rotary display Grease-free Power-saving mode Setting of security code
PF3W7☐-L	Water, ethylene glycol, aqueous solution	0.5 to 4, 2 to 16, 5 to 40	NPN/PNP open collector 1 output IO-Link		3/8, 1/2, 3/4 (Rc, NPT, G) [3]	
LFE	Water, water-soluble coolant	0.5 to 20, 2.5 to 100, 5 to 200	NPN/PNP open collector Analogue output (Voltage/Current)		3/8, 1/2, 3/4, 1 (Rc, NPT, G)	Power-saving mode Setting of security code Switching of flow direction

For dimensions and other details refer to the general catalogue of each series in www.smc.eu

	Applicable fluid	Rated flow range [l/min]	Output type	Enclosure	Piping	Functions
Remote type						
PFMV	Dry air, N$_2$	0 to 0.5, 0 to 1, 0 to 3, -0.5 to 0.5, -1 to 1, -3 to 3	Analogue output (Voltage/Current)	IP40	M5	Grease-free
PFM5	Dry air, N$_2$, Ar, CO$_2$	0.2 to 10, 0.5 to 25, 1 to 50, 2 to 100			1/8, 1/4 (Rc, NPT, G) [1] Ø 4 (5/32"), Ø 6, Ø 8 (5/16"), Ø 1/4"	Flow adjustment valve Grease-free
PF3W5	Water, ethylene glycol, aqueous solution	0.5 to 4, 2 to 16, 5 to 40, 10 to 100, 50 to 250			3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 (Rc, NPT, G) [3]	
PF3W5 (PVC piping type)	Water, deionized water, chemical liquids	10 to 100, 30 to 250		IP65	25A, 30A	Grease-free
LFE	Water, water-soluble coolant	0.5 to 20, 2.5 to 100, 5 to 200			3/8, 1/2, 3/4, 1 (Rc, NPT, G)	—
Monitor						
PFG300	—	Set pressure range: 30 to 3000 l/min 60 to 6000 l/min 120 to 12000 l/min 2 to 200 l/min 5 to 500 l/min 10 to 1000 l/min 20 to 2000 l/min 5 to 500 l/min 10 to 1000 l/min 20 to 2000 l/min	NPN/PNP open collector 2 outputs Analogue output (Voltage/Current)	IP40	—	Setting of security code

1) Conforming to ISO 228-1.
2) Conforming to ISO 1179-1.
3) Conforming to ISO 228.

Pressure switches

Integrated type

Compact digital pressure switch
ZSE10/ISE10 Series

- Reduced in depth: 9.8 mm
- 3 styles:
  ZSE10: Vacuum pressure
  ZSE10F: Compound pressure
  ISE10: Positive pressure
- Can copy up to 10 switches simultaneously
- 3-step setting; copy function
- Analogue output: 1 - 5 V
- Switch output: 2 NPN/PNP or 1 PNP/NPN
- Multi-angle indicator
- Piping is possible from two directions
- Mounting: direct mounting, panel mounting, DIN rail mounting
- Enclosure IP40.

Selected part numbers

● Stocked items

Part number	Rated pressure range	Connection port	Switch output	Voltage
ISE10-M5-B-G ●	Positive pressure: -0.1~1.0MPa	M5 female, side/rear ported (also available with R1/8 and NPT 1/8)	2 PNP	12~24 VDC
ISE10-M5-E-G			PNP + (1-5 V)	
ISE10-M5R-B-G＊			2 PNP	
ISE10-M5R-E-G＊			PNP + (1-5 V)	
ZSE10-M5-B-G ●	Vacuum pressure 0 ~ -101 kPa		2 PNP	
ZSE10-M5-E-G			PNP + (1-5 V)	
ZSE10-M5R-B-G＊			2 PNP	
ZSE10-M5R-E-G＊			PNP + (1-5 V)	
ZSE10F-M5-B-G ●	Vacuum + low pressure -100 ~ +100 kPa		2 PNP	
ZSE10F-M5-E-G			PNP + (1-5 V)	
ZSE10F-M5R-B-G＊			2 PNP	
ZSE10F-M5R-E-G＊			PNP + (1-5 V)	

NPN options available upon request.
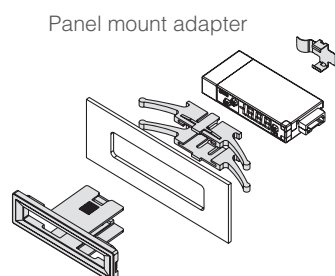＊ Rear ported

M5 female thread/side ported

Piping port
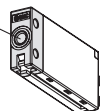
M5 female thread/Rear ported

Piping port

Panel mount adapter
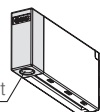
Mounting accessories

Part number	Description
ZS-39-B	Panel mount adapter
ZS-39-R	DIN rail adapter
ZS-39-5G	Lead wire with connector (with connector cover) (5 cores, 2 m)

For dimensions and other details refer to the general catalogue of each series in www.smc.eu

High-precision digital pressure switch

ZSE20☐(F)/ISE20☐ Series

- 3-screen, 3-colour display
- Applicable fluid: air, non-corrosive gas, non-flammable gas, or general fluids
- Pressure ranges: from -0.1 to 2 MPa
- Repeatability: ±0.2 % F.S. ±1 digit
- Output: NPN/PNP, Analogue (Voltage/Current), IO-Link
- Select response time: from less than 1.5 ms to 5 s
- IP40 or IP65
- Consumption: 35 mA or less.

Selected part numbers

● Stocked items

Model	Part number	Rated pressure range	Piping	Output	Applicable fluid	Enclosure
	ISE20-P-01-L ● 1)	-0.1 to 1 MPa	R1/8 Piping adapter	PNP open collector 1 output	Air, non-corrosive gas, non-flammable gas	IP40
	ZSE20-P-01-L ● 1)	0 to -101 kPa				
	ZSE20F-P-01	-100 to 100 kPa				
	ISE20A-T-01	-0.1 to 1 MPa		PNP open collector 2 outputs + Analogue voltage output		
	ZSE20AF-T-01	-100 to 100 kPa				
	ZSE20A-T-01	0 to -101 kPa				
	ISE20A-V-01	-0.1 to 1 MPa		PNP open collector 2 outputs + Analogue current output		
	ZSE20AF-V-01	-100 to 100 kPa				
	ZSE20A-V-01	0 to -101 kPa				
	ISE20B-T-01	-0.1 to 1 MPa		PNP open collector 2 outputs + Analogue voltage output		IP65
	ZSE20BF-T-01	-100 to 100 kPa				
	ZSE20B-T-01	0 to -101 kPa				
	ISE20B-V-01	-0.1 to 1 MPa		PNP open collector 2 outputs + Analogue current output		
	ZSE20BF-V-01	-100 to 100 kPa				
	ZSE20B-V-01	0 to -101 kPa				
	ISE20B-L-01	0 to 1 MPa	R1/8 Piping adapter	IO-Link/Switch: 1 output		
	ZSE20BF-L-01	-100 to 100 kPa				
	ZSE20B-L-01	0 to -100 kPa				
	ISE20C-T-02	-0.1 to 1 MPa	R1/4 (M5 female thread)	PNP open collector 2 outputs + Analogue voltage output	Fluid that will not corrode stainless steel 630 and 304	
	ISE20CH-T-02	-0.1 to 2 MPa				
	ZSE20CF-T-02	-100 to 100 kPa				
	ZSE20C-T-02	0 to -101 kPa				
	ISE20C-V-02	-0.1 to 1 MPa		PNP open collector 2 outputs + Analogue current output		
	ISE20CH-V-02	-0.1 to 2 MPa				
	ZSE20CF-V-02	-100 to 100 kPa				
	ZSE20C-V-02	0 to -101 kPa				

1) With lead wire with connector.
2) NPN options and copy function available upon request.

Accessories

Part number	Description	Model
ZS-46-A1	Bracket A - Tapping screw: Nominal size 3 x 8 L	All
ZS-46-A2	Bracket B - Tapping screw: Nominal size 3 x 8 L	Z/ISE20, Z/ISE20A, Z/ISE20B
ZS-46-D	Panel mount adapter + Front protection cover (Rear ported)	All
ZS-46-3L	Lead wire with connector (3-core, 2 m, Non-waterproof)	Z/ISE20

Part number	Description	Model
ZS-46-5LM12	Lead Wire M12 Connector. Non-waterproof	Z/ISE20, Z/ISE20A
ZS-46-5FM12	Lead Wire M12 Connector. Waterproof	Z/ISE20B(-L), Z/ISE20C
ZS-46-5L	Lead wire with connector (5-core, 2 m lead wire)	Z/ISE20A
ZS-46-5F	Lead wire with connector (5-core, 2 m, Waterproof)	Z/ISE20B, Z/ISE20C
ZS-46-N1	R1/8 piping adapter	Z/ISE20, Z/ISE20A, Z/ISE20B
ZS-46-N2	NPT1/8 piping adapter	

High-precision digital pressure switch

ISE7☐/7☐G Series

- Applicable fluid: Air and general fluids
- Pressure ranges: from 0 to 10 MPa
- Repeatability: ±0.5 % F.S. or less
- Output: IO-Link and NPN/PNP
- Selectable response times
- IP67
- Consumption: 35 mA or less.

Selected part numbers

● Stocked items

Part number	Rated pressure range	Applicable fluid	Piping	Output	Response time
ISE70-F02-L2 ●	0 to 1 MPa	Air, non-corrosive gas, non-flammable gas	G1/4 1)	IO-Link: Switch output 1 + Switch output 2 (Switch output: NPN or PNP switching type)	1.5 ms or less, variable from 0 to 60 s/0.01 s increments
ISE71-F02-L2	0 to 1.6 MPa				
ISE70G-F02-L2	0 to 1 MPa	Liquid or gas that will not corrode materials of parts in contact with fluid			2 ms or less, variable from 0 to 60 s/0.01 s increments
ISE75G-F02-L2	0 to 2 MPa				
ISE76G-F02-L2	0 to 5 MPa				
ISE77G-F02-L2 ●	0 to 10 MPa				

1) ISO 1179-1 compliant.

Accessories

Part number	Description	
ZS-31-B	Lead wire with M12 connector: Straight Lead wire length: 5 m	
ZS-31-C	Lead wire with M12 connector: Right-angled Lead wire length: 5 m	
ZS-50-A	Interchangeable with ISE70 and ISE75(H) With 2 mounting screws (M4 x 6L)	
ZS-50-B	With 2 mounting screws (M4 x 6L)	

For dimensions and other details refer to the general catalogue of each series in www.smc.eu

Gap checker

Digital gap checker
ISA3 Series

- Visualization with digital display: Two displays enable various information to be checked
- Easy setting by the digital display: 3 step setting (Snap shot function)
- Withstand pressure 0.6 MPa
  (Improved 3 times compared with the series ISA2)
- Detection principle without exhaust air:
  - Exhaust noise: Zero
  - 60 % reduction of air consumption
- Measures against clogging:
  - Reducing the number of internal orifices from 3 to 1
  - A larger orifice area. Orifice rate ratio 68 % increase
- Manifold available with or without unit control
- IP67
- Centralised lead wire
- 2 outputs type has been added.

Selected part numbers

● Stocked items

Part number	Type	Rated distance range [mm]	Port size	Operating pressure range [kPa]	Output specification	Voltage
ISA3-GFP-1N ●	1 station Without control unit	0.02 to 0.15	G1/8	100 to 200	1 PNP	24 VDC
ISA3-HFP-1N ●		0.05 to 0.30				
ISA3-FFP-1N		0.01 to 0.03				

Accessories

Part number	Description
ISA-14	Bracket
ISA-12-C	Threaded plug with seal (G1/8)
ISA-5-□	DIN rail (□ number of stations)
ZS-31-C	Cable with connector (right angle 5 m)
ISA-19-□	Centralised lead wire (□ number of stations)

Remote type

Pressure sensor for general fluids
PSE570 Series

- Rated pressure ranges: 0 to 1 MPa, -100 to 100 kPa, 0 to 500 kPa, 0 to 2 MPa, 0 to 5 MPa, 0 to 10 MPa
- Applicable fluids: gas or liquid that will not attack or corrode materials of parts in contact with fluid
- Proof pressure: 3 times higher than the rated pressure
- Withstand voltage: 500 VAC
- M12 connector for wiring
- Enclosure: IP65.

Selected part numbers

● Stocked items

Part Number	Port Size	Pressure range	Output signal	Voltage
PSE570-□ ●	01, 02	Positive pressure [0 to 1 MPa]	Voltage output type 1 to 5 V	12 ~ 24 VDC
PSE570-□-28 ●			Current output type 4 to 20 mA	
PSE573-□	01, 02	Compound pressure [-100 to 100 kPa]	Voltage output type 1 to 5 V	
PSE573-□-28			Current output type 4 to 20 mA	
PSE574-□ ●	01, 02	Positive pressure [0 to 500 kPa]	Voltage output type 1 to 5 V	
PSE574-□-28 ●			Current output type 4 to 20 mA	
PSE575-□	02	Positive pressure [0 to 2 MPa]	Voltage output type 1 to 5 V	
PSE575-□-28			Current output type 4 to 20 mA	
PSE576-□		Positive pressure [0 to 5 MPa]	Voltage output type 1 to 5 V	
PSE576-□-28			Current output type 4 to 20 mA	
PSE577-□		Positive pressure [0 to 10 MPa]	Voltage output type 1 to 5 V	
PSE577-□-28			Current output type 4 to 20 mA	

□ Port sizes

01	R1/8 (with M5 female thread)
02	R1/4 (with M5 female thread)

Compact pneumatic pressure sensor
PSE530 Series

- Sensor and controller separate
- IP40
- Simple electr. connection using plug
- Controller unit: PSE200/PSE300.

Selected part numbers

● Stocked items

Part number	Connection thread	Pressure range	Output signal
PSE530-M5 ●	M5	0 ~ 1 MPa	Analogue 1 ~ 5 V
PSE531-M5 ●		0 ~ -101 kPa	
PSE532-M5 ●		0 ~ 101 kPa	
PSE533-M5 ●		-101 ~ 101 kPa	

For dimensions and other details refer to the general catalogue of each series in www.smc.eu

Monitor

Sensor monitor
PSE300AC Series

- Accepts 1-5 VDC or 4-20 mA sensor input signal
- Input Range Selection (for Pressure/ Flow rate)
- Response time: 1 ms or less
- NPN/ PNP Switch Function
- M12 connector
- Enclosure: IP65.

Selected part numbers

● Stocked items

Part number	Input	Switch output	Response time	Unit specification
PSE300AC-AB	Voltage	2 output (NPN or PNP switching type)	1 ms or less (with anti-chattering function: 20, 100, 500, 1000, 2000, 5000 ms)	With unit selection function
PSE310AC-AB	Current			

Accessories

Part number	Description
ZS-31-B	Power supply/ output lead wire - Straight type 5 m
ZS-31-C	Power supply/ output lead wire - Right angle type 5 m
PCA-1557743	Assembly type connector

Digital pressure sensor monitor
PSE300 Series

- Applicable sensors: PSE53□, 54□, 550, 56□, 570, 573, 574
- Compatible with voltage input and current input
- Response time: 1 ms
- Space saving, capable of vertical and horizontal contact mounting
- Panel mounting, bracket mounting, DIN rail mounting.

Selected part numbers

● Stocked items

Part number	Input	Switch output	Response time
PSE303-LC ●	Voltage	2 x PNP + analogue 1 to 5 V	
PSE304-LC ●	Voltage	2 x PNP + analogue 4 to 20 mA	1 ms
PSE313-LC	Current	2 x PNP + analogue 1 to 5 V	
PSE314-LC	Current	2 x PNP + analogue 4 to 20 mA	

NPN options and auto-shift input available upon request.
DIN rail mounting available upon request.
Including supply cable and sensor connector.

Accessories

Part number	Description
ZS-28-B	Bracket for PSE300
ZS-27-C	Panel mount adapter for PSE300
ZS-27-D	Panel mount adapter + protective front cover for PSE300

Multi-channel digital pressure sensor monitor
PSE200 Series

- 4 sensor can be connected
- Applicable sensors: PSE53□, 54□, 570, 573, 56□
- A single monitor can be used to monitor various applications
- 4 inputs, 5 outputs.

Selected part numbers

● Stocked items

Part number	Input	Switch output	Response time
PSE201-4C ●	Voltage	PNP: 5 outputs	5 ms

Including 4 sensor connector.

Accessories

Part number	Description
ZS-26-01	Protective cover for PSE201
ZS-26-B	Panel mounting adapter for PSE201
ZS-28-C	Sensor connector

For dimensions and other details refer to the general catalogue of each series in www.smc.eu

Flow switches

Digital flow switch for large flow
PF3A7☐H Series

- Applicable fluid: Air and N_2
- 3-colour 2-line information display
- Flow ratio: 100:1
- Repeatability: ±1.0 % F.S.
- Outputs: NPN/PNP and analogue/External input
- IP65.

Selected part numbers

● Stocked items

Part number	Flow rate [l/min]	Port size	Output specification	Lead wire
PF3A703H-F10-ES ●	30 to 3000	G1	PNP + Analogue Voltage/External input	With lead wire and M12 connector (3 m)
PF3A703H-F10-FS ●	30 to 3000		PNP + Analogue current/External input	
PF3A703H-F10-FSN ●	30 to 3000			Without lead wire and M12 connector
PF3A706H-F14-FS ●	60 to 6000	G1 1/2		With lead wire and M12 connector (3 m)
PF3A706H-F14-FSN ●	60 to 6000			Without lead wire and M12 connector
PF3A712H-F20-FS ●	120 to 12000	G2		With lead wire and M12 connector (3 m)
PF3A712H-F20-FSN ●	120 to 12000			Without lead wire and M12 connector

Accessories

Part number	Description
ZS-37-A	Lead wire and M12 connector. 3 m length

Digital flow switch

PFMC Series

- 3-colour digital flow switch for dry air and N_2, with enclosure IP65
- Large flow rates, up to 2000 l/min
- Wide measuring range, with rangeability: 100:1
- Quick response: highest speed 0.05 s
- Compact
- Display can be rotated 360° to suit installation
- M8 standard connector.

Selected part numbers

● Stocked items

Part number	Flow rate [l/min]	Port size	Output specification	Voltage	Operating pressure range
PFMC7501-F04-B ●	5 to 500 l/min	G1/2	2 PNP	12 to 24 VDC ±10 %	0 to 0.8 MPa
PFMC7501-F04-E ●			PNP+Analogue (1 to 5 V)		
PFMC7501-F04-F ●			PNP+Analogue (4 to 20 mA)		
PFMC7102-F04-B ●	10 to 1000 l/min		2 PNP		
PFMC7102-F04-E ●			PNP+Analogue (1 to 5 V)		
PFMC7102-F04-F			PNP+Analogue (4 to 20 mA)		
PFMC7202-F06-B ●	20 to 2000 l/min	G3/4	2 PNP		
PFMC7202-F06-E ●			PNP+Analogue (1 to 5 V)		
PFMC7202-F06-F			PNP+Analogue (4 to 20 mA)		

Accessories

Part number	Description
ZS-40-A	Lead wire and M8 connector. Length: 3 m
ZS-42-A	Bracket. Mounting screw for PFMC7501/7102 (M3 x 5, 2 pcs.)
ZS-42-B	Bracket. Mounting screw for PFMC7202 (M3 x 5, 2 pcs.)

Digital flow switch

PFMB Series

- 2-colour digital flow switch for dry air and N_2
- Large flow rates, up to 2000 l/min
- Wide measuring range, rangeability: 100:1
- Quick response: highest speed 0.05 s
- Compact
- Flip vertical option to adjust display's orientation
- Flow adjustment valve is integrated as option (only for PFMB7201 type)
- Use of by-pass structure, which reduces the contact of moist air and foreign matter with the sensor.

Selected part numbers

● Stocked items

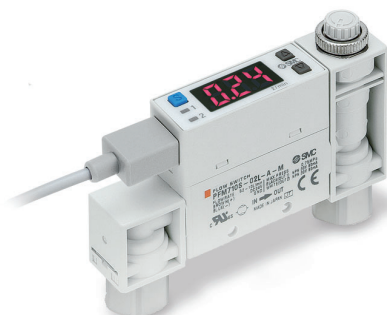| Part number	Flow adjustment valve	Port size	Flow rate [l/min]	Output specification	Voltage	Operating pressure range
PFMB7102-F04-B ●	None	G1/2	10 to 1000 l/min	2 PNP	12 to 24 VDC ±10 %	0 to 0.8 MPa
PFMB7102-F04-E ●				PNP + Analogue 1 to 5 V		
PFMB7102-F04-F ●				PNP + Analogue 4 to 20 mA		
PFMB7201-C8-B ●	None	Ø 8 (5/16") One-touch fitting	2 to 200 l/min	2 PNP		0 to 0.75 MPa
PFMB7201-C8-E ●				PNP + Analogue 1 to 5 V		
PFMB7201-C8-F ●				PNP + Analogue 4 to 20 Ma		
PFMB7201-02-B ●		Rc1/4		2 PNP		
PFMB7201-02-E ●				PNP + Analogue 1 to 5 V		
PFMB7201-02-F ●				PNP + Analogue 4 to 20 mA		
PFMB7201-F02-B ●		G1/4		2 PNP		
PFMB7201-F02-E ●				PNP + Analogue 1 to 5 V		
PFMB7201-F02-F ●				PNP + Analogue 4 to 20 mA		
PFMB7201S-C8-B ●	Yes	Ø 8 (5/16") One-touch fitting		2 PNP		
PFMB7201S-C8-E ●				PNP + Analogue 1 to 5 V		
PFMB7201S-C8-F ●				PNP + Analogue 4 to 20 mA		
PFMB7201S-02-B ●		Rc1/4		2 PNP		
PFMB7201S-02-E ●				PNP + Analogue 1 to 5 V		
PFMB7201S-02-F ●				PNP + Analogue 4 to 20 mA		
PFMB7201S-F02-B ●		G1/4		2 PNP		
PFMB7201S-F02-E ●				PNP + Analogue 1 to 5 V		
PFMB7201S-F02-F ●				PNP + Analogue 4 to 20 mA		
PFMB7202-F06-B ●	None	G3/4	20 to 2000 l/min	2 PNP		0 to 0.8 MPa
PFMB7202-F06-E ●				PNP + Analogue 1 to 5 V		
PFMB7202-F06-F ●				PNP + Analogue 4 to 20 mA		
PFMB7501-F04-B ●		G1/2	5 to 500 l/min	2 PNP		
PFMB7501-F04-E ●				PNP + Analogue 1 to 5 V		
PFMB7501-F04-F ●				PNP + Analogue 4 to 20 mA		

Accessories

| Part number	Description
ZS-33-M	Bracket for PFMB7201
ZS-42-C	Bracket for PFMB7501/7102
ZS-33-J	Panel mount adapter for PFMB7201
ZS-42-D	Bracket for PFMB7202

Digital flow switch

PFM Series

- For air, N_2, Ar and CO_2
- A digital flow switch that uses MEMS sensor for detecting the flow
- Compact size
- Improved visibility with two colour display indication
- Two piping directions are possible
- Integrated flow adjustment valve is available as option
- Multiple mounting combinations.

Integrated type
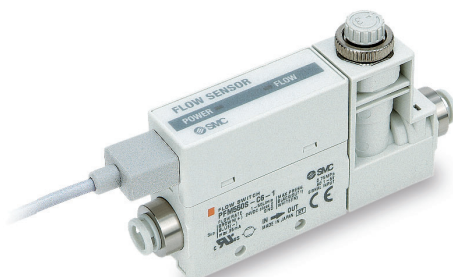
Remote type

Selected part numbers

● Stocked items

Integrated type (without adjustment flow valve)

Part number	Port size	Flow rate Dry air, N_2, Ar	Flow rate CO_2	Output specification	Voltage	Operating pressure range
PFM710-C4-B ●	Ø 4 one-touch fitting	0.2 to 10 l/min	0.2 to 5 l/min	2 PNP	24 VDC	-100 kPa to 750 kPa
PFM710-C4-E				PNP + (1 - 5V)		
PFM710-C4-F				PNP + (4 - 20 mA)		
PFM725-C6-B ●	Ø 6 one-touch fitting	0.5 to 25 l/min	0.5 to 12,5 l/min	2 PNP		
PFM725-C6-E				PNP + (1 - 5V)		
PFM725-C6-F ●				PNP + (4 - 20 mA)		
PFM750-C6-B ●		1 to 50 l/min	1 to 25 l/min	2 PNP		
PFM750-C6-E ●				PNP + (1 - 5V)		
PFM750-C6-F ●				PNP + (4 - 20 mA)		
PFM711-C8-B ●	Ø 8 one-touch fitting	2 to 100 l/min	2 to 50 l/min	2 PNP		
PFM711-C8-E				PNP + (1 - 5V)		
PFM711-C8-F ●				PNP + (4 - 20 mA)		

Remote type (without adjustment flow valve)

Part number	Port size	Flow rate Dry air, N_2, Ar	Flow rate CO_2	Output specification	Voltage	Operating pressure range
PFM510-C4-1	Ø 4 one-touch fitting	0.2 to 10 l/min	0.2 to 5 l/min	1 - 5V	24 VDC	-100 kPa to 750 kPa
PFM510-C4-2				4 - 20 mA		
PFM525-C6-1	Ø 6 one-touch fitting	0.5 to 25 l/min	0.5 to 12,5 l/min	1 - 5V		
PFM525-C6-2				4 - 20 mA		
PFM550-C6-1		1 to 50 l/min	1 to 25 l/min	1 - 5V		
PFM550-C6-2				4 - 20 mA		
PFM511-C8-1	Ø 8 one-touch fitting	2 to 100 l/min	2 to 50 l/min	1 - 5V		
PFM511-C8-2				4 - 20 mA		

Accessories

Part number	Description
ZS-33-M	Bracket (for "without adjustment flow valve")
ZS-33-J	Panel mount adapter (for "without adjustment flow valve")
ZS-33-R＊	DIN rail mounting bracket, ＊=number of stations (1 to 5)

Part number	Description
ZS-28-B	Bracket
ZS-27-C	Panel mount adapter
ZS-27-D	Panel mount adapter + front protective cover

Flow sensor monitor

Part number	Input specification	Output specification	Voltage	Note
PFM313-LF	Current input	2 PNP + 1 to 5 V outputs	24 VDC	With power/ output connector included
PFM314-LF		2 PNP + 4 to 20 mA outputs		

| For dimensions and other details refer to the general catalogue of each series in www.smc.eu

Flow sensor and voltage monitor
PFMV Series

• Suction check of very small workpieces
• PFMV5: Flow sensor
  PFMV3: Voltage monitor for PFMV5
• Reduced piping space
• Response speed: 5 ms or less
• Applicable fluid: dry, air, N_2.

PFMV5

PFMV3

Selected part numbers

● Stocked items

Flow sensor

Part number	Port size	Rated flow range [l/min]	Output specification	Voltage
PFMV505-1 ●		0.0 to 0.5		
PFMV510-1 ●		0.0 to 1.0		
PFMV530-1 ●	M5 x 0.8	0.0 to 3.0	Analogue output (1 - 5 V)	12 - 24 VDC
PFMV505F-1		-0.5 to 0.5		
PFMV510F-1		-1.0 to 1.0		
PFMV530F-1		-3.0 to 3.0		

Voltage monitor

Part number	Applicable sensor	Output specification	Voltage
PFMV303-M		2 PNP + (1 - 5 V)	
PFMV304-M ●	PFMV5☐☐-1 (voltage input)	2 PNP + (4 - 20 mA)	12 - 24 VDC
PFMV305-M		2 PNP + auto shift input	

Accessories

Part number	Description
ZS-28-A	Power supply/output connector (2 m)
ZS-28-B	Bracket
ZS-28-C	Sensor connector
ZS-27-C	Panel mount adapter
ZS-27-D	Panel mount adapter + front protective cover

Digital flow switch for water

▣ PF3W Series

- Integrated temperature sensor
- Space saving, reduced piping space
- 3 colour/2 screen integrated display
- Rotatable display: easy operation, improved visibility
- Two models: integrated type and remote type
- PVC piping type: for deionised water, chemical, etc
  (Viscosity 3 mPas or less)
- Integrated flow adjustment valve Up to 40 l/min
- Enclosure IP65.

Selected part numbers

● Stocked items

Integrated type

Part number	Port size	Flow rate [l/min]	Output specification	Voltage
PF3W704-F03-BN-M ●	G3/8	0.5 to 4	2 PNP	12 ~ 24 VDC
PF3W704-F03-BTN-M ●				
PF3W704-F03-EN-M ●			PNP + (1 - 5V)	
PF3W704-F03-ETN-M ●				
PF3W704-F03-FN-M ●			PNP + (4-20 mA)	
PF3W704-F03-FTN-M ●				
PF3W720-F04-BN-M ●	G1/2	2 to 16	2 PNP	
PF3W720-F04-BTN-M ●				
PF3W720-F04-EN-M ●			PNP + (1 - 5V)	
PF3W720-F04-ETN-M ●				
PF3W720-F04-FN-M ●			PNP + (4-20 mA)	
PF3W720-F04-FTN-M ●				
PF3W740-F06-BN-M ●	G3/4	5 to 40	2 PNP	
PF3W740-F06-BTN-M ●				
PF3W740-F06-EN-M ●			PNP + (1 - 5V)	
PF3W740-F06-ETN-M ●				
PF3W740-F06-FN-M ●			PNP + (4-20 mA)	
PF3W740-F06-FTN-M ●				
PF3W711-F10-BN-M ●	G1	10 to 100	2 PNP	
PF3W711-F10-BTN-M ●				
PF3W711-F10-EN-M			PNP + (1 - 5V)	
PF3W711-F10-ETN-M				
PF3W711-F10-FN-M			PNP + (4-20 mA)	
PF3W711-F10-FTN-M				
PF3W721-F14-BN-M ●	G1 1/2	50 to 250	2 PNP	
PF3W721-F14-BTN-M ●				
PF3W721-F14-EN-M ●			PNP + (1 - 5V)	
PF3W721-F14-ETN-M ●				
PF3W721-F14-FN-M ●			PNP + (4-20 mA)	
PF3W721-F14-FTN-M ●				

1) Part numbers with "T" include temperature sensor.
2) Lead wire with M8 connector is not included.
3) NPN option available upon request.

Remote type

Part number	Port size	Flow rate [l/min]	Output specification	Voltage
PF3W504-F03-1N	G3/8	0.5 to 4	(1 - 5V)	12 ~ 24 VDC
PF3W504-F03-2N			(4-20 mA)	
PF3W504-F03-1TN			2 (1 - 5V)	
PF3W520-F04-1N	G1/2	2 to 16	(1 - 5V)	
PF3W520-F04-2N			(4-20 mA)	
PF3W520-F04-1TN			2 (1 - 5V)	
PF3W540-F06-1N	G3/4	5 to 40	(1 - 5V)	
PF3W540-F06-2N			(4-20 mA)	
PF3W540-F06-1TN			2 (1 - 5V)	
PF3W511-F10-1N	G1	10 to 100	(1 - 5V)	
PF3W511-F10-2N			(4-20 mA)	
PF3W511-F10-1TN			2 (1 - 5V)	
PF3W521-F14-1N	G1 1/2	50 to 250	(1 - 5V)	
PF3W521-F14-2N			(4-20 mA)	
PF3W521-F14-1TN			2 (1 - 5V)	

1) Part numbers with "T" include temperature sensor.
2) Lead wire with M8 connector is not included.
3) NPN option available upon request.

Digital flow monitor for PVC piping:

Integrated type

Part number	Port size	Rated flow range [l/min]	Output specification	Voltage
PF3W711-U25-BN-M ●	25A (32 mm O.D.)	10 to 100	2 PNP	12 ~ 24 VDC
PF3W711-U25-EN-M			PNP + (1 - 5V)	
PF3W711-U25-FN-M			PNP + (4 - 20 mA)	
PF3W721-U30-BN-M	30A (38 mm O.D.)	30 to 250	2 PNP	
PF3W721-U30-EN-M			PNP + (1 - 5V)	
PF3W721-U30-FN-M			PNP + (4 - 20 mA)	

Remote type

Part number	Port size	Rated flow range [l/min]	Output specification	Voltage
PF3W511-U25-1N	25A (32 mm O.D.)	10 to 100	(1 - 5V)	12 ~ 24 VDC
PF3W511-U25-2N			(4 - 20 mA)	
PF3W521-U30-1N	30A (38 mm O.D.)	30 to 250	(1 - 5V)	
PF3W521-U30-2N			(4 - 20 mA)	

1) Lead wire with M8 connector is not included.

Digital flow monitor for PF3W series

Part number	Output specification	Voltage
PF3W30B-M	2 PNP	12 ~ 24 VDC
PF3W30E-M	PNP + (1 - 5V)	
PF3W30F-M	PNP + (4 - 20 mA)	

Accessories

Part number	Description
ZS-40-K	Bracket (with 4 tapping screws, 3 x 8, for PF3W704/720/504/520)
ZS-40-L	Bracket (with 4 tapping screws, 3 x 8, for PF3W740/540)
ZS-40-M	Bracket (with 4 tapping screws, 4 x 10, for PF3W711/511)
ZS-40-A	Lead wire (3 m) with M8 connector

Digital flow switch for water IO-link compatible

PF3W7□-L Series

- Applicable fluid: Water and ethylene glycol aqueous solution
- 3-colour 2-screen display
- Flow ranges: from 0.5 to 40 l/min
- Flow ratio: 8:1
- Repeatability: ±2 % F.S.
- Output: 1 output, NPN/PNP or IO-Link
- IP65
- In-built temperature sensor (-10 to 110 °C)
- Consumption: 50 mA or less.

Selected part numbers

Part number	Flow rate [l/min]	Port size	Output specification	Voltage
PF3W704-F03-LTN-MZ	0.5 to 4 l/min	G3/8	IO-Link: Switch output	12 to 24 VDC (when used as switch output device) 18 to 30 VDC (when used as an IO-Link device)
PF3W720-F04-LTN-MZ	2 to 16 l/min	G1/2		
PF3W740-F06-LTN-MZ	5 to 40 l/min	G3/4		
PF3W711-F10-LTN-MZ	10 to 100 l/min	G1		
PF3W721-F14-LTN-M	50 to 250 l/min	G1 1/2		

Accessories

Part number	Description
ZS-40-M12M8-A	M12-M8 conversion lead wire (0.1 m)
ZS-37-A	Lead wire with M12 connector (3 m)
ZS-40-M12M8-A	Lead wire with M8 connector (3 m)

Electromagnetic type digital flow switch

LFE Series

- Applicable fluid: water, water-soluble coolant or any fluids with electric conductivity of 5 µS/cm or more which do not corrode the fluid contact materials
- Smooth fluid passage and no obstacles or moving parts in the fluid path
- Very low pressure loss (0.02 MPa or less)
- Construction without electrodes immersed in the fluid
- Good rangeability, 40:1 and flow range up to 200 l/min
- Backflow can be detected and the flow direction can be changed after installation.

Selected part numbers

● Stocked items

Integrated display type

Part number	Type	Port size	Flow rate [l/min]	Output specification	Voltage	Parts material in contact with fluid
LFE1B4F1 ●	Integrated display type Without lead wire	G1/2	0.5 to 20	2 PNP	24 VDC	PPS, FKM, C37 (Brass)
LFE1C4F1 ●				NPN + (1 - 5 V)		
LFE1D4F1 ●				NPN + (4 - 20 mA)		
LFE2B6F1 ●		G3/4	2.5 to 100	2 PNP		
LFE2C6F1 ●				NPN + (1 - 5 V)		
LFE2D6F1 ●				NPN + (4 - 20 mA)		
LFE3B8F1 ●		G1	5 to 200	2 PNP		
LFE3C8F1 ●				NPN + (1 - 5 V)		
LFE3D8F1 ●				NPN + (4 - 20 mA)		

For dimensions and other details refer to the general catalogue of each series in www.smc.eu

Remote type sensor unit

Part number	Type	Port size	Flow rate [l/min]	Output specification	Voltage	Parts material in contact with fluid
LFE1J4F1	Remote type sensor unit Without lead wire	G1/2	0.5 to 20	Analogue 1 - 5 V	24 VDC	PPS, FKM, C37 (Brass)
LFE1K4F1				Analogue 4 - 20 mA		
LFE2J6F1		G3/4	2.5 to 100	Analogue 1 - 5 V		
LFE2K6F1				Analogue 4 - 20 mA		
LFE3J8F1		G1	5 to 200	Analogue 1 - 5 V		
LFE3K8F1				Analogue 4 - 20 mA		

Remote type monitor unit for LFE series

Part number	Output specification	Voltage
LFE0C-MC	Analogue 1 - 5 V	24 VDC

Accessories

Part number	Description
LFE-1-A3 ●	Lead wire with M12 connector
LFE-1-D	Bracket (for LFE1)
LFE-2-D	Bracket (for LFE2)
LFE-3-D	Bracket (for LFE3)

Digital flow monitor
PFG300 Series

• 3-screen, 3-colour display
• Applicable series: PF3A7□H, PFMB, PFMC
• Outputs: 2 outputs, NPN/PNP and analogue (voltage/current)
• IP40
• Copy function: copy master monitor settings to slaves
• External input: reset parameters remotely
• Repeatability: ±0.1 % F.S.
• Consumption: 25 mA or less.

Selected part numbers

● Stocked items

Part number	Input	Switch output	Time [3]	Unit specification
PFG300-RT	Voltage input	2 outputs (NPN/PNP switching type) + Analogue voltage output [1] [2]	3 ms or less. Select from 0.00, 0.05 to 0.1 s, 0.1 to 1.0 s, 1 to 10 s, 20 s, 30 s, 40 s, 50 s, or 60 s	With unit selection function
PFG300-SV		2 outputs (NPN/PNP switching type) + Analogue current output [2]		
PFG310-RT	Current input	2 outputs (NPN/PNP switching type) + Analogue voltage output [1] [2]		
PFG310-SV		2 outputs (NPN/PNP switching type) + Analogue current output [2]		

1) Can switch between 1 to 5 V and 0 to 10 V
2) Can be switched to external input or copy function
3) Value without digital filter (at 0 ms).

Options/Part numbers
When only optional parts are required, order with the part numbers listed below.

Part number	Option	Note
ZS-28-C-1	Sensor connector	For PFMB
ZS-28-CA-4	Sensor connector	For PFMC, PF3A7□H
ZS-46-A1	Bracket A (Vertical mounting)	Tapping screw: Nominal size 3 x 8 L (2 pcs.)
ZS-46-A2	Bracket B (Horizontal mounting)	Tapping screw: Nominal size 3 x 8 L (2 pcs.)
ZS-46-B	Panel mount adapter	
ZS-46-D	Panel mount adapter + Front protection cover	
ZS-46-5L	Power supply/output connection lead wire	5-core, 2 m
ZS-27-01	Front protection cover	

Applications

Regarding the applications, although these products can be used in several and different ones, followings can be highlighted:

Pressure switches

Product detection in a high speed transfer line.

Suitable for machine tool industry and high production manufacturing.
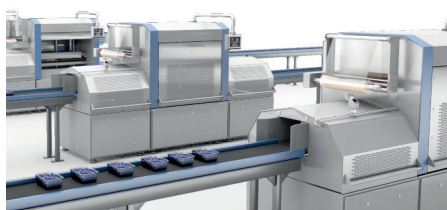
When hydraulic cylinder monitorization is needed.
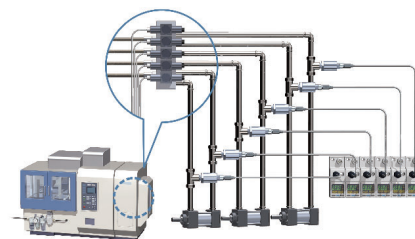
Confirm the pressure condition during operation and monitor the device status. Monitor the abnormal pressure and the abnormal status of a pressure sensor remotely to prevent unexpected stops.

Confirmation of the atmospheric pressure of a load lock chamber. Welded structure for sensor units and fitting parts.
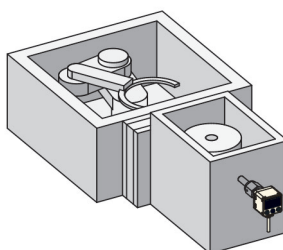
Suction confirmation for workpieces containing moisture.
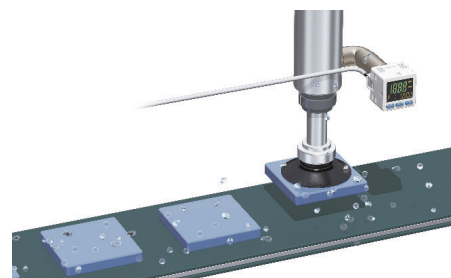
Confirmation of cleaning line supply pressure.
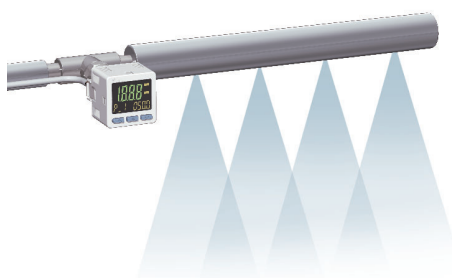
Confirmation of hydraulic cylinder working pressure. For example Rockwell hardness test.

Leak test. A low pressure sensor is used to detect minute differences.
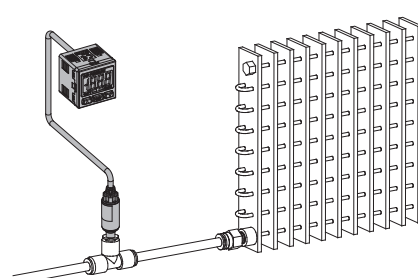
Control of liquid coolant pressure.
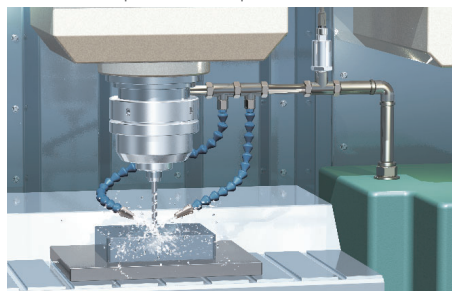
Discharge pressure control for compressor.
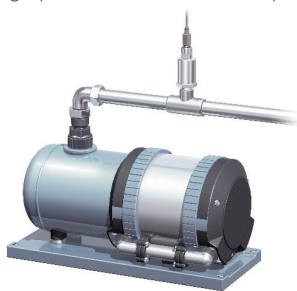
PET bottle molding machines.

For dimensions and other details refer to the general catalogue of each series in www.smc.eu
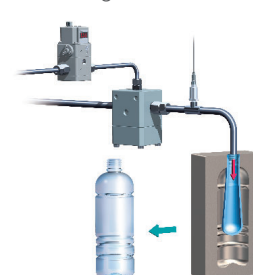
Liquid pressure control of gun drills.
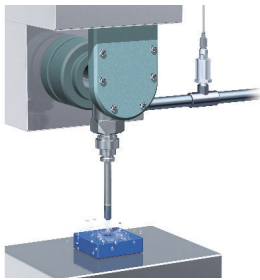
Flow switches

Flow control of equipment, main line and branch line.
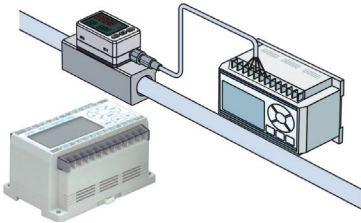
Control of purge air flow of ionizer.
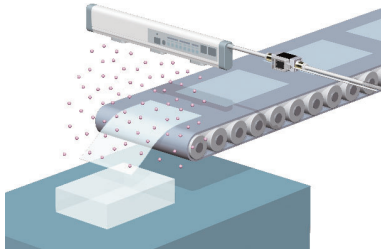
Accumulated indication shows the operating flow rate or residual amount (of N_2 etc.) in a gas cylinder.
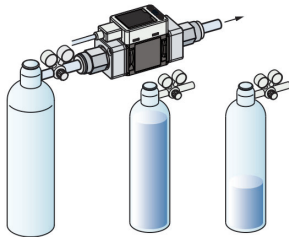
Flow control of the air for spray painting.

Flow control for pressurised cooling water for welding guns.
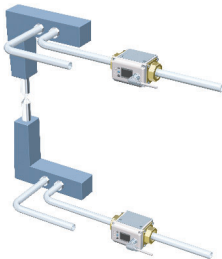
Flow control for water-soluble coolant.
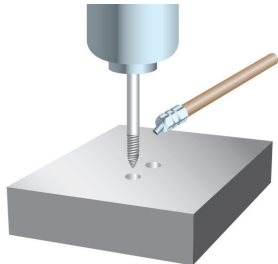
Flow control for cooling water for metal molds.
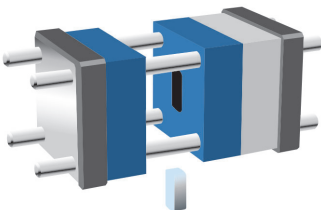
Related products

Pressure switches

Directly operated 2 port solenoid valve for medium vacuum/water/oil/steam
VX2 Series

To control the application fluid while measuring the pressure to detect possible sources of failures.

2 port solenoid valve for air
VXZ2☐0 Series

To control the application fluid while measuring the pressure to detect possible sources of failures.

Electro-pneumatic regulator
ITV1000 Series

To precisely monitor the application pressure and control it with the electro-pneumatic regulator.

Digital flow switch for large flow.
PF3A7H Series

If you are concerned about energy efficiencies, monitor main line pressure & flow precisely to detect possible pressure loses.

Digital flow switch for water
PF3W Series

Add more information to your line with a flow switch.

Electromagnetic type digital flow switch
LFE Series

Add more information to your line with a flow switch.

Sensor monitor
PSE300AC Series

Visualise the pressure sensor value with a monitor.

Vacuum filter
AFJ Series

Add a vacuum switch to your vacuum line.

In-line air filter with one-touch fitting
ZFC Series

Improve your air line with a filter.

For dimensions and other details refer to the general catalogue of each series in www.smc.eu

In-line air filter with one-touch fitting
WF300 Series

Removes foreign matter from water lines.

Flow switches

Digital flow monitor
PFG300 Series

Visualise the flow switch value in a panel with a monitor.

Sensor monitor
PSE300AC Series

Visualise the flow switch value in a panel with a monitor.

3-screen display
Digital pressure switch
ISE20☐ Series

To monitor the application pressure precisely to detect possible sources of failures.

3-screen display
High-precision digital pressure switch
ISE7☐G Series

To monitor the application pressure precisely to detect possible sources of failures.

3-screen display
High-precision digital pressure switch
ISE7☐ Series

To monitor the application pressure precisely to detect possible sources of failures.

Main line filter
AFF☐D Series

High filtration of the main line filter improving the performance of the downstream products.

Mist separator
AM/AMD Series

Dust and oil filtration of the main line filter improving the performance of the downstream products.

Multi counter
CEU5 Series

Remote control is possible with accumulated pulse.

Monitors

General fluids pressure sensor
PSE570 Series

Monitors the pressure sensor.

Sensor for multi channel controller
PSE530 Series

Monitors the pressure sensor.

General fluids pressure sensor
PSE560 Series

Monitors the pressure sensor.

Low differential pressure sensor
PSE550 Series

Monitors the pressure sensor.

Small pneumatic pressure sensor
PSE540 Series

Monitors the pressure sensor.
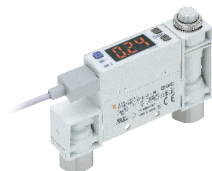
Compact digital flow switch
PFM7 Series

Monitors the flow sensor.

Compact digital flow switch
PFM5 Series

Monitors the flow sensor.

Digital flow switch for water
PF3W5 Series

Monitors the flow sensor.

Digital flow switch for water
PF3W7 Series

Monitors the flow sensor.

Electromagnetic type digital flow switch
LFE Series

Monitors the flow sensor.

SMC

Expertise – Passion – Automation

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