

1 Output

# 3-Screen Display High-Precision Digital Pressure Switch

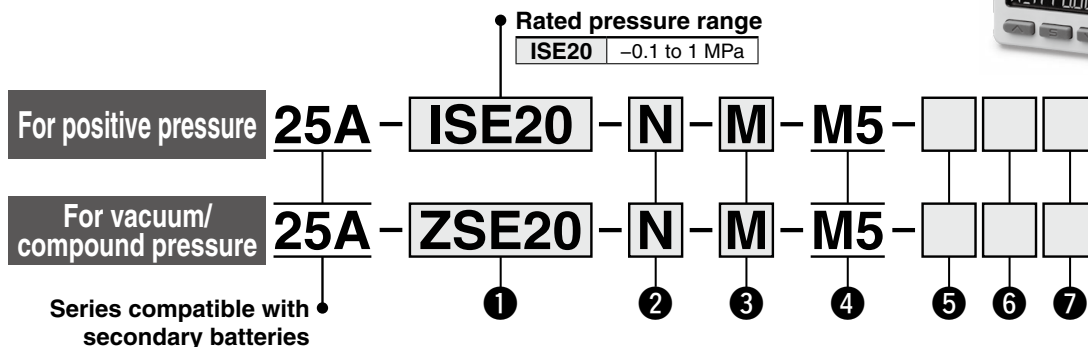
# 25A-ZSE20(F)/ISE20 Series



RoHS

IP40

## How to Order



### ① Rated pressure range

Symbol	Description
ZSE20	0 to -101 kPa
ZSE20F	-100 to 100 kPa

### ② Output specification

Symbol	Description
N	NPN open collector 1 output
P	PNP open collector 1 output

### ③ Unit specification

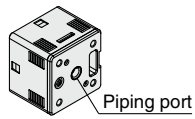
Symbol	Description
Nil	Units selection function*1
M	SI unit only*2
P	Units selection function (Initial value psi)*1

\*1 Under the New Measurement Act, switches with the units selection function are not permitted for use in Japan.

\*2 Fixed unit: kPa, MPa

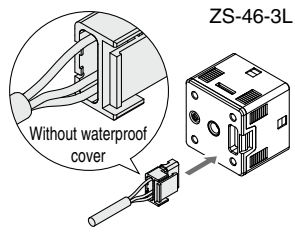
### ④ Piping specification

Symbol	Description
M5	M5 female thread



### ⑤ Option 1

Symbol	Description
Nil	Without lead wire
L	Lead wire with connector (3-core, 2 m lead wire)



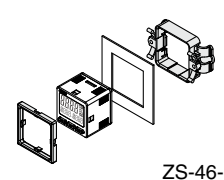
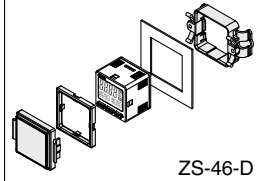
### ⑦ Option 3

Symbol	Operation manual*1	Calibration certificate*1
Nil	○	—
Y	—	—
K	○	○
T	—	○

\*1 All texts are in both English and Japanese.

### ⑥ Option 2

Symbol	Description
Nil	None
B	Panel mount adapter
D	Panel mount adapter + Front protection cover

## Options/Part Nos.

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

Description	Part no.	Note
Panel mount adapter	ZS-46-B	—
Panel mount adapter + Front protection cover	ZS-46-D	—
Lead wire with connector	ZS-46-3L	3-core, 2 m, Non-waterproof (Without waterproof cover)
Front protection cover	ZS-27-01	—

\* The 25A-series specifications and dimensions are the same as those of the standard model.

[Click here for details.](#)

2 Outputs + Analog Output (Voltage/Current)

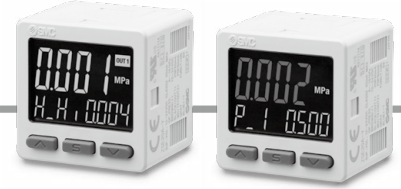


# 3-Screen Display High-Precision Digital Pressure Switch

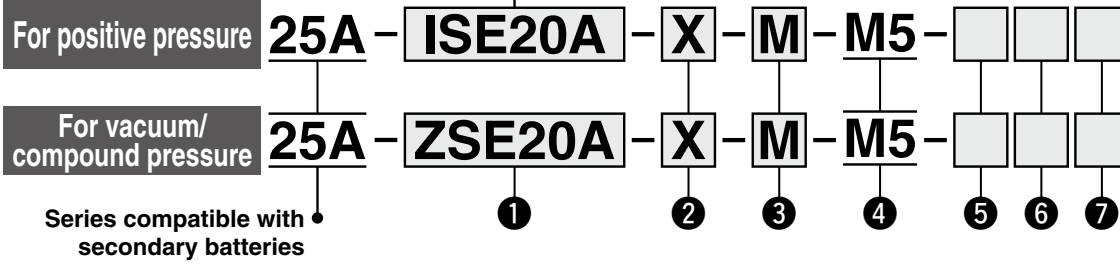
RoHS

IP40

# 25A-ZSE20A(F)/ISE20A Series



## How to Order



### 1 Rated pressure range

ZSE20A	0 to -101 kPa
ZSE20AF	-100 to 100 kPa

### 2 Output specification

Symbol	Description
R	NPN open collector 2 outputs + Analog voltage output *1
S	NPN open collector 2 outputs + Analog current output *1
T	PNP open collector 2 outputs + Analog voltage output *1
V	PNP open collector 2 outputs + Analog current output *1
X	NPN open collector 2 outputs + Copy function
Y	PNP open collector 2 outputs + Copy function

\*1 Can be switched to auto-shift or copy function

### 3 Unit specification

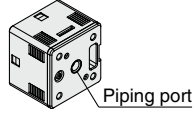
Symbol	Description
Nil	Units selection function*1
M	SI unit only*2
P	Units selection function (Initial value psi)*1

\*1 Under the New Measurement Act, switches with the units selection function are not permitted for use in Japan.

\*2 Fixed unit: kPa, MPa

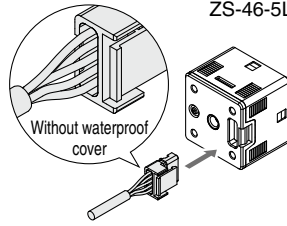
### 4 Piping specification

Symbol	Description
M5	M5 female thread



### 5 Option 1

Symbol	Description
Nil	Without lead wire
J	Lead wire with connector (5-core, 2 m lead wire)



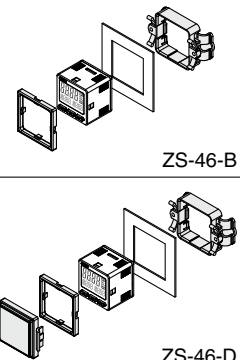
### 7 Option 3

Symbol	Operation manual*1	Calibration certificate*1
Nil	○	—
Y	—	—
K	○	○
T	—	○

\*1 All texts are in both English and Japanese.

### 6 Option 2

Symbol	Description
Nil	None
B	Panel mount adapter
D	Panel mount adapter + Front protection cover



## Options/Part Nos.

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

Description	Part no.	Note
Panel mount adapter	ZS-46-B	—
Panel mount adapter + Front protection cover	ZS-46-D	—
Lead wire with connector	ZS-46-5L	5-core, 2 m, Non-waterproof (Without waterproof cover)
Front protection cover	ZS-27-01	—

Directional Control Valves  
Air Cylinders  
Related Products  
Rotary Actuators  
Air Grippers  
Vacuum Equipment  
Air Preparation Equipment  
Clean Air Filters  
Modular FRL/Pressure Control Equipment  
Fittings/Flow Control Equipment  
Detection Switches  
Fluid Control Equipment  
Electric Actuators  
Auto Switches

2 Outputs + Analog Output (Voltage/Current)



# 3-Screen Display High-Precision Digital Pressure Switch

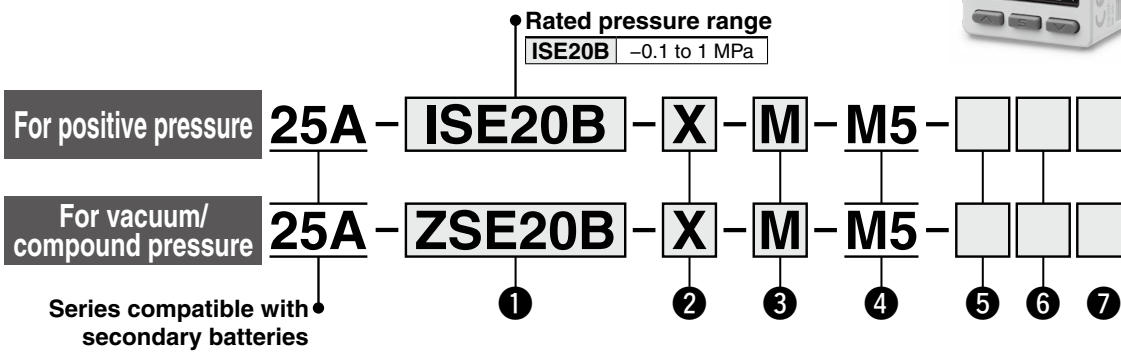
RoHS

IP65

# 25A-ZSE20B(F)/ISE20B Series



## How to Order



### ① Rated pressure range

ZSE20B	0 to -101 kPa
ZSE20BF	-100 to 100 kPa

### ② Output specification

Symbol	Description
R	NPN open collector 2 outputs + Analog voltage output *1
S	NPN open collector 2 outputs + Analog current output *1
T	PNP open collector 2 outputs + Analog voltage output *1
V	PNP open collector 2 outputs + Analog current output *1
X	NPN open collector 2 outputs + Copy function
Y	PNP open collector 2 outputs + Copy function

\*1 Can be switched to auto-shift or copy function

### ③ Unit specification

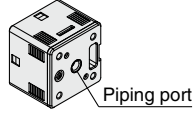
Symbol	Description
Nil	Units selection function*1
M	SI unit only*2
P	Units selection function (Initial value psi)*1

\*1 Under the New Measurement Act, switches with the units selection function are not permitted for use in Japan.

\*2 Fixed unit: kPa, MPa

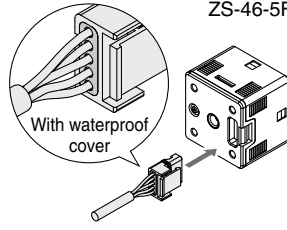
### ④ Piping specification

Symbol	Description
M5	M5 female thread



### ⑤ Option 1

Symbol	Description
Nil	Without lead wire
W	Lead wire with connector (5-core, 2 m lead wire, With waterproof cover)



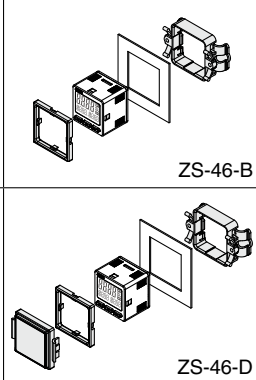
### ⑦ Option 3

Symbol	Operation manual*1	Calibration certificate*1
Nil	○	—
Y	—	—
K	○	○
T	—	○

\*1 All texts are in both English and Japanese.

### ⑥ Option 2

Symbol	Description
Nil	None
B	Panel mount adapter
D	Panel mount adapter + Front protection cover



## Options/Part Nos.

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

Description	Part no.	Note
Panel mount adapter	ZS-46-B	—
Panel mount adapter + Front protection cover	ZS-46-D	—
Lead wire with connector	ZS-46-5F	5-core, 2 m, Waterproof (With waterproof cover)
Front protection cover	ZS-27-01	—

2 Outputs + Analog Output (Voltage/Current)



# 3-Screen Display High-Precision Digital Pressure Switch for General Fluids

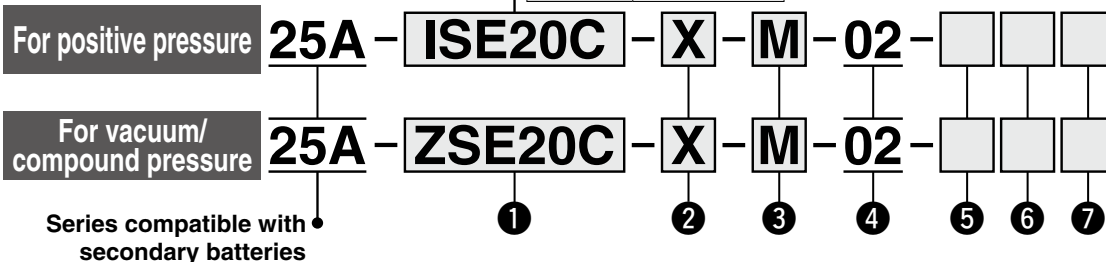
RoHS

IP65

# 25A-ZSE20C(F)/ISE20C(H) Series



## How to Order



### Rated pressure range

ISE20C	-0.1 to 1 MPa
ISE20CH	-0.1 to 2 MPa

### 1 Rated pressure range

ZSE20C	0 to -101 kPa
ZSE20CF	-100 to 100 kPa

### 2 Output specification

Symbol	Description
R	NPN open collector 2 outputs + Analog voltage output*1
S	NPN open collector 2 outputs + Analog current output*1
T	PNP open collector 2 outputs + Analog voltage output*1
V	PNP open collector 2 outputs + Analog current output*1
X	NPN open collector 2 outputs + Copy function
Y	PNP open collector 2 outputs + Copy function

\*1 Can be switched to auto-shift or copy function

### 3 Unit specification

Symbol	Description
Nil	Units selection function*1
M	SI unit only*2
P	Units selection function (Initial value psi)*1

\*1 Under the New Measurement Act, switches with the units selection function are not permitted for use in Japan.

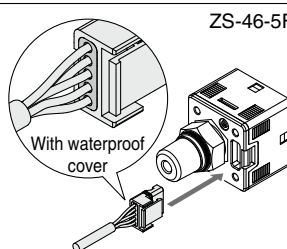
\*2 Fixed unit: kPa, MPa

### 4 Piping specification

Symbol	Description
02	R1/4 (M5 female threaded)

### 5 Option 1

Symbol	Description
Nil	Without lead wire
W	Lead wire with connector, 5-core (2 m lead wire, With waterproof cover)



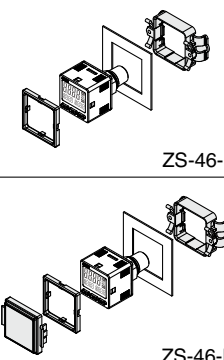
### 7 Option 3

Symbol	Operation manual*1	Calibration certificate*1
Nil	○	—
Y	—	—
K	○	○
T	—	○

\*1 All texts are in both English and Japanese.

### 6 Option 2

Symbol	Description
Nil	None
B	Panel mount adapter
D	Panel mount adapter + Front protection cover



## Options/Part Nos.

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

Description	Part no.	Note
Panel mount adapter	ZS-46-B	Rear ported
Panel mount adapter + Front protection cover	ZS-46-D	Rear ported
Lead wire with connector	ZS-46-5F	5-core, 2 m, Waterproof (With waterproof cover)
Front protection cover	ZS-27-01	Rear ported

Directional Control Valves  
Air Cylinders  
Related Products  
Rotary Actuators  
Air Grippers  
Vacuum Equipment  
Air Preparation Equipment  
Clean Air Filters  
Modular P.R.L./Pressure Control Equipment  
Fittings/Flow Control Equipment  
Detection Switches  
Fluid Control Equipment  
Electric Actuators  
Auto Switches

# 2-Color Display

## Digital Flow Switch

# 25A-PFMB7 Series



### How to Order

**25A - PFMB7 201 - C8 [ ] - A W - M [ ] [ ]**

Series compatible with secondary batteries

Rated flow range (Flow rate range)

<b>201</b>	2 to 200 L/min
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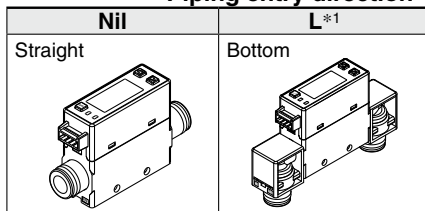
Port size

<b>C8</b>	ø8 (5/16") One-touch fitting
<b>O2</b> *1	Rc1/4
<b>N02</b> *1	NPT1/4
<b>F02</b> *1	G1/4 *2

\*1 Made to order

\*2 ISO1179-1 compliant

Piping entry direction



\*1 Made to order

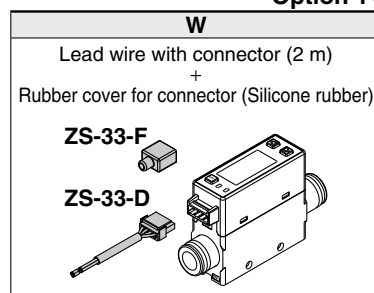
Output specification

	OUT1	OUT2	Applicable monitor unit model
<b>A</b>	NPN	NPN	—
<b>B</b>	PNP	PNP	—
<b>C</b>	NPN	Analog 1 to 5 V	PFG300 series
<b>D</b>	NPN	Analog 4 to 20 mA	PFG310 series
<b>E</b> *1	PNP	Analog 1 to 5 V	PFG300 series
<b>F</b> *1	PNP	Analog 4 to 20 mA	PFG310 series
<b>G</b> *1	NPN	External input *2	—
<b>H</b> *1	PNP	External input *2	—

\*1 Made to order

\*2 Accumulated flow value, peak/bottom flow value can be reset by external signal input.

Option 1



\* When only optional parts are required, refer to Option 1/Part Nos. on page 176.

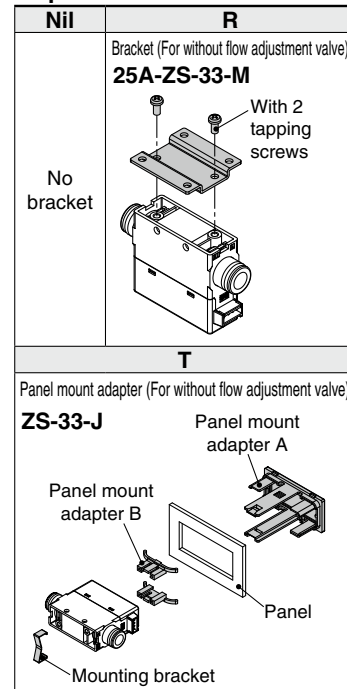
Calibration certificate \*1

<b>Nil</b>	None
<b>A</b> *2	With calibration certificate

\*1 Certificate in both English and Japanese

\*2 Made to order

Option 2



\* Options are shipped together with the product, but not assembled.

When only optional parts are required, refer to Option 2/Part Nos. on page 176.

Unit specification

<b>M</b>	SI unit only *1
<b>Nil</b>	Units selection function *2

\*1 Fixed unit: Instantaneous flow: L/min  
Accumulated flow: L

\*2 This product is for overseas use only according to the New Measurement Act. (The SI unit type is provided for use in Japan.)

Unit can be changed. Instantaneous flow: L/min ⇔ cfm  
Accumulated flow: L ⇔ ft<sup>3</sup>

\* The 25A- series specifications and dimensions are the same as those of the standard model.



### How to Order

**25A - PFMB7** **501** - **04** - **A** **W** - **M**

Series compatible with secondary batteries

Rated flow range (Flow rate range)

<b>501</b>	5 to 500 L/min
<b>102</b>	10 to 1000 L/min
<b>202</b>	20 to 2000 L/min

Thread type

<b>Nil</b>	Rc
<b>N</b>	NPT
<b>F</b>	G *1

\*1 ISO228 compliant

Port size

	Port size	Rated flow range		
		<b>501</b>	<b>102</b>	<b>202</b>
<b>04</b>	1/2	●	●	—
<b>06</b>	3/4	—	—	●

Output specification

	OUT1	OUT2	Applicable monitor unit model
<b>A</b>	NPN	NPN	—
<b>B</b>	PNP	PNP	—
<b>C</b>	NPN	Analog 1 to 5 V	PFG300 series
<b>D</b>	NPN	Analog 4 to 20 mA	PFG310 series
<b>E</b> *1	PNP	Analog 1 to 5 V	PFG300 series
<b>F</b> *1	PNP	Analog 4 to 20 mA	PFG310 series
<b>G</b> *1	NPN	External input *2	—
<b>H</b> *1	PNP	External input *2	—

\*1 Made to order

\*2 Accumulated flow value, peak/bottom flow value can be reset by external signal input.

Option 1

**W**

Lead wire with connector (2 m)  
+  
Rubber cover for connector (Silicone rubber)

**ZS-33-F**

**ZS-33-D**

\* When only optional parts are required, refer to Option 1/Part Nos. below.

Option 1/Part Nos.

Option	Part no.	Qty.	Note
Lead wire with connector	<b>ZS-33-D</b>	1	Lead wire: 2 m
Rubber cover (Silicone rubber)	<b>ZS-33-F</b>	1	For connector

Option 2/Part Nos.

Option	Part no.	Qty.	Note
Bracket (for PFMB7201)	<b>25A-ZS-33-M</b>	1	With 2 tapping screws (3 x 6)
Panel mount adapter (for PFMB7201)	<b>ZS-33-J</b>	1	
Bracket (for PFMB7501/7102)	<b>25A-ZS-42-C</b>	1	With 4 tapping screws (3 x 6)
Bracket (for PFMB7202)	<b>25A-ZS-42-D</b>	1	With 4 tapping screws (3 x 6)

Calibration certificate \*1

<b>Nil</b>	None
<b>A</b> *2	With calibration certificate

\*1 Certificate in both English and Japanese

\*2 Made to order

Option 2

<b>Nil</b>	<b>R</b>
No bracket	With bracket With 4 tapping screws

\* Options are shipped together with the product, but not assembled. When only optional parts are required, refer to Option 2/Part Nos. below.

Unit specification

<b>M</b>	SI unit only *1
<b>Nil</b>	Units selection function *2

\*1 Fixed unit: Instantaneous flow: L/min  
Accumulated flow: L

\*2 This product is for overseas use only according to the New Measurement Act. (The SI unit type is provided for use in Japan.)

Unit can be changed. Instantaneous flow: L/min ↔ cfm  
Accumulated flow: L ↔ ft<sup>3</sup>

\* The 25A- series specifications and dimensions are the same as those of the standard model. [Click here for details.](#)

Directional Control Valves  
Air Cylinders  
Related Products  
Rotary Actuators  
Air Grippers  
Vacuum Equipment  
Air Preparation Equipment  
Clean Air Filters  
Modular P.R.L./Pressure Control Equipment  
Fittings/Flow Control Equipment  
Detection Switches  
Fluid Control Equipment  
Electric Actuators  
Auto Switches

# 2-Color Display

## Digital Flow Switch Remote sensor unit

# 25A-PFM5 Series



RoHS



### How to Order

Remote sensor unit **25A - PFM5 10 - C6** - **1** - **W**

Series compatible with secondary batteries

Type

5	Remote sensor unit
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Rated flow range (Flow rate range)

10	0.2 to 10 (5) L/min
25	0.5 to 25 (12.5) L/min
50	1 to 50 (25) L/min
11	2 to 100 (50) L/min

\* ( ): Fluid: CO<sub>2</sub>

Piping entry direction

Nil	Straight
L	Bottom

Output specification

No.	Description	Applicable display unit
1	Analog output (1 to 5 V)	25A-PFM30□
2	Analog output (4 to 20 mA)	25A-PFM31□

Calibration certificate

Nil	None
A	With calibration certificate

\* The certificate is written in English and Japanese. Other languages are available as specials.

Operation manual

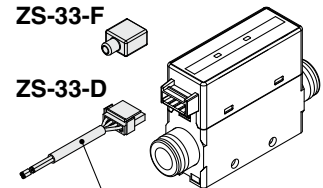
Nil	With operation manual (Japanese and English)
N	None

Option 1

With lead wire with connector (2 m)  
+  
Rubber cover for connector (silicon rubber)

ZS-33-F

W ZS-33-D



Lead wire length 2 m

Option 2

Nil	R	T
None	<p>Bracket (For without flow adjustment valve) <b>25A-ZS-33-M</b></p>	<p>Panel mount adapter (For without flow adjustment valve) <b>ZS-33-J</b></p>

Options are shipped together with the product, but not assembled.

Port size

Symbol	Description	Flow rate range			
		10	25	50	11
01	Rc1/8	●	●	●	
02	Rc1/4				●
N01	NPT1/8	●	●	●	
N02	NPT1/4				●
F01	G1/8*1	●	●	●	
F02	G1/4*1				●
C6	ø6 One-touch fitting	●	●	●	●
C8	ø8 (5/16") One-touch fitting		●	●	●

\*1 ISO228-1 compliant

### Piping Variations

	With One-touch fittings (C6, C8)		Female thread (01, 02, N01, N02, F01, F02)	
	Straight (Nil)	Bottom (L)	Straight (Nil)	Bottom (L)
Without flow adjustment valve (Nil)				

\* The 25A-series specifications and dimensions are the same as those of the standard model. [Click here for details.](#)

# Flow Sensor Monitor

## 25A-PFM3 Series



### How to Order

#### Output specification

0	2 NPN outputs + 1 to 5 V output
1	2 NPN outputs + 4 to 20 mA output
2	2 NPN outputs + External input*1
3	2 PNP outputs + 1 to 5 V output
4	2 PNP outputs + 4 to 20 mA output
5	2 PNP outputs + External input*1

\*1 User can select from accumulated value external reset, auto-shift and auto-shift zero.

#### Operation manual

Nil	With operation manual (Japanese and English)
N	None

#### Calibration certificate

Nil	None
A	With calibration certificate

\* The certificate is written in English and Japanese. Other languages are available as specials.

**25A-PFM3 00-M L**

Series compatible with secondary batteries

#### Type

3	Remote display unit
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#### Input specification

Symbol	Content	Applicable remote type sensor unit
0	Voltage input	25A-PFM5□□-□-1-□
1	Current input	25A-PFM5□□-□-2-□

#### Unit specification

Nil	With unit switching function*1
M	Fixed SI unit*2

\*1 Under the New Measurement Act, flow sensor monitors with the unit switching function are not permitted for use in Japan.

\*2 Fixed unit: Instantaneous flow: L/min  
Accumulated flow: L

#### Option 1

Nil	None
L	Power supply/Output connector

\* The cable does not come connected, but it is shipped together with the product.

#### Option 3

Nil	None
F	With sensor connector

\* The connector does not come connected, but it is shipped together with the product.

#### Option 2

Nil	None
B	Panel mount adapter
D	Panel mount adapter + Front protective cover

\* Options are shipped together with the product, but not assembled.

### Options/Part Nos.

Description	Part no.	Note
Power supply/Output connector (2 m)	ZS-28-A	
Sensor connector	ZS-28-C-1	1 pc.
Panel mount adapter	ZS-46-B	
Panel mount adapter + Front protective cover	ZS-46-D	

\* The 25A-series specifications and dimensions are the same as those of the standard model.

[Click here for details.](#)



# 3-Color Display

# Digital Flow Monitor for Water

# 25A-PF3W Series



RoHS



## How to Order

**25A-PF3W 30 A** - **M V C**

Series compatible with secondary batteries

Type

**3** Remote monitor unit

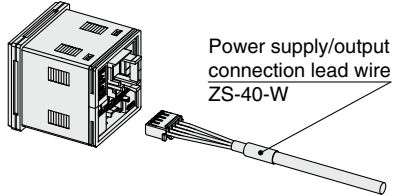
For remote sensor units, select the analog output 1 to 5 V type.  
Applicable sensors: PF3W5□□-□□-1(T)

### Output specification

Symbol	OUT1	OUT2
<b>A</b>	NPN	NPN
<b>B</b>	PNP	PNP
<b>C</b>	NPN	Analog 1 to 5 V
<b>D</b>	NPN	Analog 4 to 20 mA
<b>E</b>	PNP	Analog 1 to 5 V
<b>F</b>	PNP	Analog 4 to 20 mA
<b>G</b>	NPN	External input
<b>H</b>	PNP	External input
<b>J</b>	Analog 1 to 5 V	Analog 1 to 5 V
<b>K</b>	Analog 4 to 20 mA	Analog 4 to 20 mA

In combination with remote sensor unit with temperature sensor, only OUT2 can be set for temperature sensor output.

### Lead wire

<b>Nil</b>	With power supply/output connection lead wire (2 m) 
<b>N</b>	Without power supply/output connection lead wire

The lead wire does not come connected, but it is shipped together with the product.

### Remote monitor unit/Unit specification

Symbol	Instantaneous flow	Accumulated flow	Temperature
<b>M</b>	L/min	L	°C
<b>G</b>	gal/min	gal	°C
<b>F</b>	gal/min	gal	°F
<b>J</b>	L/min	L	°F

\* Under the New Measurement Act, units other than SI (symbol "M") cannot be used in Japan.

\* G, F, J: Made to order

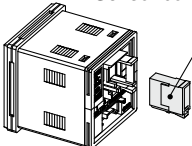
Reference: 1 [L/min] ↔ 0.2642 [gal/min]  
1 [gal/min] ↔ 3.785 [L/min]  
°F = 9/5°C + 32

### Calibration certificate (Only flow monitor)

<b>Nil</b>	None
<b>A</b>	With calibration certificate

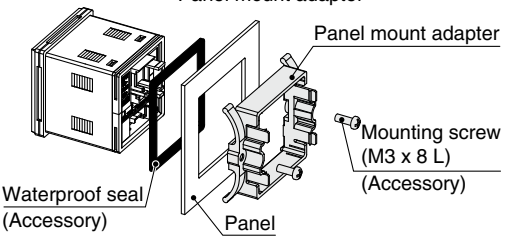
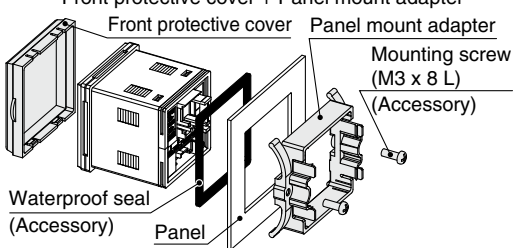
\* The certificate is written in both Japanese and English.

### Option 2

<b>Nil</b>	None
<b>C</b>	Sensor connector (1 pc.)  Sensor connector (e-con)

The connector does not come connected, but it is shipped together with the product.

### Option 1

<b>Nil</b>	None
<b>T</b>	Panel mount adapter  Waterproof seal (Accessory) Panel mount adapter Mounting screw (M3 x 8 L) (Accessory) Panel
<b>V</b>	Front protective cover + Panel mount adapter  Front protective cover Panel mount adapter Mounting screw (M3 x 8 L) (Accessory) Waterproof seal (Accessory) Panel

## Options/Part Nos.

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

Description	Part no.	Note
Panel mount adapter	<b>25A-ZS-26-B</b>	With waterproof seal and screws
Front protective cover + Panel mount adapter	<b>25A-ZS-26-C</b>	With waterproof seal and screws
Front protective cover only	<b>ZS-26-01</b>	Separately order panel mount adapter, etc.
Power supply/output connection lead wire	<b>ZS-40-W</b>	Lead wire length: 2 m
Sensor connector (e-con)	<b>ZS-28-CA-4</b>	1 pc.
Lead wire with connector for copying	<b>ZS-40-Y</b>	Connect up to 10 slave units

\* The 25A-series specifications and dimensions are the same as those of the standard model. [Click here for details.](#)

# 2-Color Display Digital Flow Switch

Integrated  
display



# 25A-PFM7 Series



## How to Order

Integrated  
display

**25A - PFM7 10 - C6 - A - M - W**

Series compatible with  
secondary batteries

Type  
7 Integrated display

Rated flow range (Flow rate range)

10	0.2 to 10 (5) L/min
25	0.5 to 25 (12.5) L/min
50	1 to 50 (25) L/min
11	2 to 100 (50) L/min

\* ( ): Fluid: CO<sub>2</sub>

Port size

Symbol	Description	Flow rate range			
		10	25	50	11
01	Rc1/8	●	●	●	—
02	Rc1/4	—	—	—	●
N01	NPT1/8	●	●	●	—
N02	NPT1/4	—	—	—	●
F01	G1/8	●	●	●	—
F02	G1/4	—	—	—	●
C6	ø6 One-touch fitting	●	●	●	●
C8	ø8 (5/16") One-touch fitting	—	●	●	●

Piping entry direction

Nil	Straight
L	Bottom

Output specifications

A	2 NPN outputs
B	2 PNP outputs
C	1 NPN output + Analog output (1 to 5 V)
D	1 NPN output + Analog output (4 to 20 mA)
E	1 PNP output + Analog output (1 to 5 V)
F	1 PNP output + Analog output (4 to 20 mA)
G	1 NPN output + External input <sup>*3</sup>
H	1 PNP output + External input <sup>*3</sup>

\*3 User can select from accumulated value external reset, auto-shift and auto-shift zero.

Unit specifications

Nil	With unit switching function <sup>*2</sup>
M	Fixed SI unit <sup>*1</sup>

\*1 Fixed unit: Instantaneous flow: L/min  
Accumulated flow: L  
\*2 Under Japan's New Measurement Act, this is only for overseas sales.  
(SI units are to be used inside Japan.)

Option 1  
W Lead wire with connector (2 m)  
+ Rubber cover for connector (Silicon rubber)

Calibration certificate

Nil	None
A	With calibration certificate

\* The certificate is written in English and Japanese.  
Other languages are available as specials.

Operation manual

Nil	With operation manual (Japanese and English)
N	None

Option 2

Nil	None
R	Bracket (For without flow adjustment valve) <b>25A-ZS-33-M</b> 
T	Panel mount adapter (For without flow adjustment valve) <b>ZS-33-J</b> 

\* The 25A- series specifications and dimensions are the same as those of the standard model.  
\* Digital flow switch with flow adjustment valve is not standard product. It can be supplied as Made-to-Order separately.

[Click here for details.](#)



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Electric Actuators  
Auto Switches

# 3-color display

## Digital Flow Switch for Water

# 25A-PF3W Series



### How to Order

#### Remote sensor unit

#### Output specification/Temperature sensor

Symbol	OUT1	OUT2	Temperature sensor
	Flow rate	Temperature	
1	Analog 1 to 5 V	—	None
2	Analog 4 to 20 mA	—	
1T	Analog 1 to 5 V	Analog 1 to 5 V	

\* To use in combination with remote monitor (PF3W3 series), select analog output of 1 to 5 V of flow rate (output symbol "1" or "1T").

#### Remote sensor unit/Unit printed on label

Symbol	Instantaneous flow rate	Temperature
Nil	L/min	°C
G*1	L/min (gal/min)	°C/°F

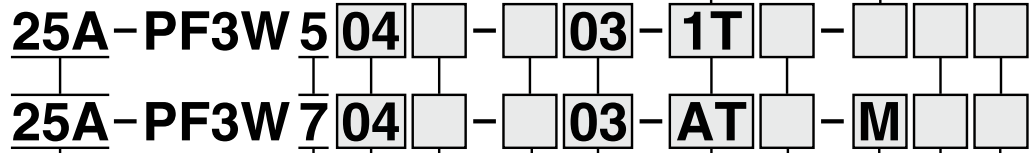
\*1 Under the New Measurement Law, units other than SI (symbol: "Nil") cannot be used in Japan.  
\* G: Made to Order  
Reference: 1 [L/min] ↔ 0.2642 [gal/min]  
1 [gal/min] ↔ 3.785 [L/min]  
°F = 9/5°C + 32



**Remote sensor unit**

**Integrated display**

Series compatible with secondary batteries



Type

5	Remote sensor unit
7	Integrated display

#### Rated flow range (Flow range)

Symbol	Rated flow range
04	0.5 to 4 L/min
20	2 to 16 L/min
40	5 to 40 L/min
11	10 to 100 L/min

#### Thread type

Nil	Rc
N	NPT
F	G

#### Port size

Symbol	Port size	Rated flow range			
		04	20	40	11
03	3/8	●	●	—	—
04	1/2	—	●	●	—
06	3/4	—	—	●	●
10	1/1	—	—	—	●

#### Flow adjustment valve

Symbol	With/without flow adjustment valve	Rated flow rate			
		04	20	40	11
Nil	None	●	●	●	—
S	Yes	●	●	●	—

100 L/min type is not available with flow adjustment valve.

#### Integrated display

#### Output specification/Temperature sensor

Symbol	OUT1	OUT2		Temperature sensor
	Flow rate	Flow rate	Temperature	
A	NPN	NPN	—	None
B	PNP	PNP	—	
C	NPN	Analog 1 to 5 V	—	
D	NPN	Analog 4 to 20 mA	—	
E	PNP	Analog 1 to 5 V	—	
F	PNP	Analog 4 to 20 mA	—	
G	NPN	External input*1	—	
H	PNP	External input*1	—	
AT	NPN	(NPN)	↔ NPN	With temperature sensor
BT	PNP	(PNP)	↔ PNP	
CT	NPN	(Analog 1 to 5 V)	↔ Analog 1 to 5 V	
DT	NPN	(Analog 4 to 20 mA)	↔ Analog 4 to 20 mA	
ET	PNP	(Analog 1 to 5 V)	↔ Analog 1 to 5 V	
FT	PNP	(Analog 4 to 20 mA)	↔ Analog 4 to 20 mA	

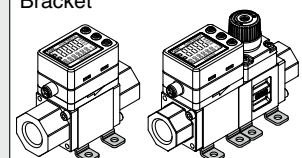
#### Calibration certificate (Only flow sensor)

Nil	None
A	With calibration certificate

\* The certificate is written in both English and Japanese. Integrated display type with temperature sensor can only display flow rate.

#### Bracket (Option)

Nil	None
R	Bracket



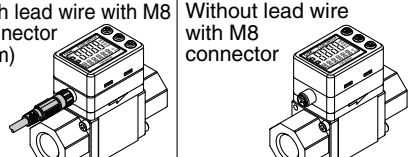
#### Integrated display/Unit specification

Symbol	Instantaneous flow rate	Accumulated flow	Temperature
M	L/min	L	°C
G	gal/min	gal	°C
F	gal/min	gal	°F
J	L/min	L	°F

\* Under the New Measurement Law, units other than SI (symbol: "M") cannot be used in Japan.  
\* G, F, J: Made to Order  
Reference: 1 [L/min] ↔ 0.2642 [gal/min]  
1 [gal/min] ↔ 3.785 [L/min]  
°F = 9/5°C + 32

#### Lead wire (Option)

Nil	N
With lead wire with M8 connector (3 m)	Without lead wire with M8 connector



\* The 25A-series specifications and dimensions are the same as those of the standard model. [Click here for details.](#)

\* The 25A-series specifications and dimensions are the same as those of the standard model.

[Click here for details.](#)

\*1 External input: The accumulated value, peak value, and bottom value can be reset.

\*2 For units with temperature sensor, OUT2 can be set as either temperature output or flow rate output. Setting when shipped is for temperature output.

### Options/Part Nos.

When optional parts are required separately, use the following part numbers to place an order.

Description	Part no.	Qty.	Note
Bracket*1	25A-ZS-40-K	1	For PF3W704/720/504/520 With 4 tapping screws (3 x 8)
	25A-ZS-40-L	1	For PF3W740/540 With 4 tapping screws (3 x 8)
	25A-ZS-40-M	1	For PF3W711/511 With 4 tapping screws (4 x 10)
Lead wire with M8 connector	25A-ZS-40-A	1	Lead wire length (3 m)

\*1 For units with flow adjustment valve, 2 brackets are required.

# 3-color display

## Digital Flow Switch for PVC Piping

# 25A-PF3W Series € €



### How to Order

#### Remote sensor unit

#### Output specification

Symbol	OUT1
1	Analog 1 to 5 V
2	Analog 4 to 20 mA

\* To use in combination with remote monitor (PF3W3 series), select analog output of 1 to 5 V of flow rate (output symbol "-1").

#### Remote sensor unit/Unit printed on label

Symbol	Instantaneous flow rate
Nil	L/min
G*1	L/min (gal/min)

\*1 Under the New Measurement Law, units other than SI (symbol: "Nil") cannot be used in Japan.  
 \* G: Made to Order  
 Reference: 1 [L/min] ↔ 0.2642 [gal/min]  
 1 [gal/min] ↔ 3.785 [L/min]

#### Calibration certificate (Only flow sensor)

Nil	None
A	With calibration certificate

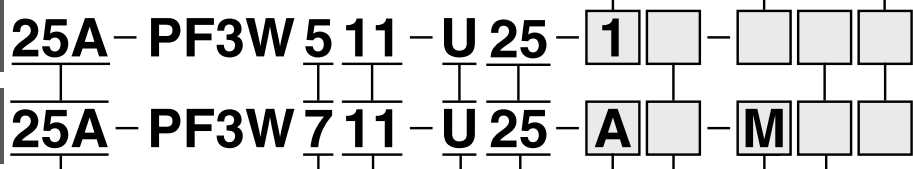
\* The certificate is written in both English and Japanese.



Remote sensor unit

Integrated display

Series compatible with secondary batteries



#### Type

5	Remote sensor unit
7	Integrated display

#### Rated flow range (Flow range)

Symbol	Rated flow range
11	10 to 100 L/min

#### Connection type

U	PVC pipe
---	----------

#### PVC pipe O.D.

Symbol	Port size	Pipe O.D.*1
25	25A	32 mm

\*1 JIS K6742 equivalent

#### Integrated display Output specification

Symbol	OUT1	OUT2
A	NPN	NPN
B	PNP	PNP
C	NPN	Analog 1 to 5 V
D	NPN	Analog 4 to 20 mA
E	PNP	Analog 1 to 5 V
F	PNP	Analog 4 to 20 mA
G	NPN	External input*1
H	PNP	External input*1

\*1 External input: The accumulated value, peak value, and bottom value can be reset.

\* The 25A- series specifications and dimensions are the same as those of the standard model.

[Click here for details.](#)

### Options/Part Nos.

When optional parts are required separately, use the following part numbers to place an order. \* The 25A- series specifications and dimensions are the same as those of the standard model.

Description	Part no.	Qty.	Note
Bracket	25A-ZS-40-M	1	For PF3W711/511 With 4 tapping screws (4 x 10)
Lead wire with M8 connector	25A-ZS-40-A	1	Lead wire length (3 m)

[Click here for details.](#)



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