

3-color display

Digital Flow Switch for Water

PF3W Series



How to Order

Remote sensor unit Output specification/Temperature sensor

For how to order of remote monitor unit, refer to page 350.

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

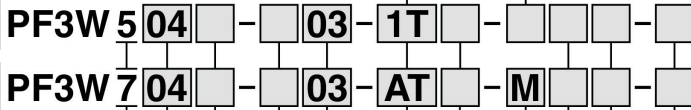
* To use in combination with remote monitor (PF3W3 series), select analog output of 1 to 5 V of flow rate (output symbol "1" or "1T").

Note) Analog output of 4 to 20 mA with temperature sensor is made to order. (Refer to page 342.)



Remote sensor unit

Integrated display



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
21	50 to 250 L/min

Thread type

Nil	Rc
N	NPT
F	G*

* ISO228 equivalent

Port size

Symbol	Port size	Rated flow range				
		04	20	40	11	21
03	3/8	●	●	—	—	—
06	1/2	—	●	●	—	—
04	3/4	—	—	●	●	—
10	1 1/1	—	—	—	●	—
12	1 1/4	—	—	—	—	●
14	1 1/2	—	—	—	—	●

Flow adjustment valve

Symbol	With/without flow adjustment valve	Rated flow range				
		04	20	40	11	21
Nil	None	●	●	●	●	●
S	Yes	—	—	—	—	—

Note 1) 100 and 250 L/min types with flow adjustment valves are not available.

Note 2) The flow adjustment valve of this product is not suitable for applications which require constant adjustment of flow rate.

Note 1) External input: The accumulated value, peak value, and bottom value can be reset.

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

Integrated display Output specification/Temperature sensor

Symbol	OUT1		OUT2		Temperature sensor
	Flow rate	Flow rate	Temperature	Temperature	
A	NP	NP	—	—	None
B	PNP	PNP	—	—	
C	NP	Analog 1 to 5 V	—	—	
D	NP	Analog 4 to 20 mA	—	—	
E	PNP	Analog 1 to 5 V	—	—	
F	PNP	Analog 4 to 20 mA	—	—	
G	NP	External input (Note 1)	—	—	
H	PNP	External input (Note 1)	—	—	
AT	NP	(NP) (Note 2)	NP	—	
BT	PNP	(PNP) (Note 2)	PNP	—	
CT	NP	(Analog 1 to 5 V) (Note 2)	Analog 1 to 5 V	—	With temperature sensor
DT	NP	(Analog 4 to 20 mA) (Note 2)	Analog 4 to 20 mA	—	
ET	PNP	(Analog 1 to 5 V) (Note 2)	Analog 1 to 5 V	—	
FT	PNP	(Analog 4 to 20 mA) (Note 2)	Analog 4 to 20 mA	—	

Options/Part No.

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

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

Note) For units with flow adjustment valve, 2 brackets are required.



Remote sensor unit/Unit printed on label

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

* Under the New Measurement Law, units other than SI (symbol "Nil") cannot be used in Japan. Note) G: Made to Order

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

Made to Order

X109	Seal material EPDM
X128	Analog 4 to 20 mA 2 output type (New)
X143	Piping material brass

Note) Applicable only for remote type with temperature sensor. (Refer to page 342.)

Calibration certificate (Only flow sensor)

Nil	None
A	With calibration certificate

* Written in both Japanese and English. The temperature sensor is not calibrated.

Bracket (Option)

Nil	None
R	Bracket

Note) With bracket is not available for 250 L/min type.

Integrated display/Unit specification

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

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

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