3-color display

Digital Flow Switch for Water

Series PF3W (ERLUS



How to Order

Remote sensor unit Output specification/Temperature sensor

For how to order of remote monitor unit. refer to page 18.

	OUT2	Temperature
Symbol Flow ra	te Temperat	ture sensor
1 Analog 1 t	o 5 V —	None
2 Analog 4 to	20 mA —	None
1T Analog 1 t	o 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 10.)

Remote sensor unit/Unit printed on label

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

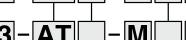
* Under the New Measurement Law, units other than SI (symbol "Nil") cannot be used in Japan. Note) G: Made to Order

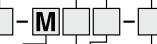
Reference: 1 [L/min] ←→ 0.2642 [gal/min] 1 [gal/min] ←→ 3.785 [L/min] °F = 9/5°C + 32

Remote

ntegrated









Remote sensor unit 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

P	ort	size	ł
	UΙL	3120	•

Port	F	Rated	flow	range	Э
size	04	20	40	11	21
3/8	•	•	_	_	_
1/2	_	•	•	_	_
3/4	_	_	•	•	_
1/1	_	_	_	•	_
1 1/4	_	_	_	_	•
1 1/2	_	_	_	_	•
	size 3/8 1/2 3/4 1/1 1 1/4	size	size 04 20 3/8 ● ● 1/2 — ● 3/4 — — 1/1 — — 1 1/4 — —	size 04 20 40 3/8 • • - 1/2 - • • 3/4 - - • 1/1 - - - 1 1/4 - - -	size 04 20 40 11 3/8 • • - - 1/2 - • • - 3/4 - - • • 1/1 - - • • 1 1/4 - - - -

Note 1) 100 and 250 L/min types with flow adjustment

Flow adjustment valve

Rated flow range

04 20 40 11 21

OUT1

Integrated display Output specification/Temperature sensor

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

With/without flow

adiustment valve

Symbol

Nil

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

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

	Symbol	0011	00	remperature	
Flow rate		Flow rate	Flow rate	Temperature	sensor
	Α	NPN	NPN	_	
	В	PNP	PNP	_	
Э.	С	NPN	Analog 1 to 5 V	_	
	D	NPN	Analog 4 to 20 mA	_	None
	E	PNP	Analog 1 to 5 V	_	None
k	F	PNP	Analog 4 to 20 mA	_	
)	G	NPN	External input Note 1)		
	Н	PNP	External input Note 1)	_	
	AT	NPN	(NPN) Not		
	BT	PNP	(PNP) Not	With	
ut	СТ	NPN	(Analog 1 to 5 V) Not	temperature	
	DT	NPN	(Analog 4 to 20 mA) Not	sensor	
	ET	PNP	(Analog 1 to 5 V) Not	e ₂) Analog 1 to 5 V	3611301
	FT	PNP	(Analog 4 to 20 mA) Not	e 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	
	ZS-40-K	1	For PF3W704/720/504/520	With 4 tapping screws (3 x 8)
Bracket Note)	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.

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

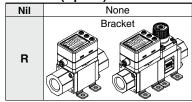
Note) Applicable only for remote type with temperature sensor (Refer to page 10.)

Calibration certificate (Only flow sensor)

Nil	None	
Α	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)



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

Integrated display/Unit specification

Symbol	Instantaneous flow rate	Accumulated flow	Temperatur
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.

Note) G, F, J: Made to Order

Reference: 1 [L/min] ↔ 0.2642 [gal/min] 1 [gal/min] ↔ 3.785 [L/min]

 $^{\circ}F = 9/5^{\circ}C + 32$

Lead wire

