

How to Order

**Remote Type
Sensor Unit**

PF2W5 20 — **03** — **C**

Flow rate 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	Flow rate (ℓ/min)				Applicable model
		4	16	40	100	
03	3/8	●	●			PF2W504, PF2W520
04	1/2		●	●		PF2W520, PF2W540
06	3/4			●	●	PF2W540, PF2W511
10	1				●	PF2W511

Option (Refer to page 35.)

Nil	None
C	e-con connector x 1 pc.

The cable and connector are shipped unassembled.

Lead wire (Refer to page 35.)

Nil	M12 3m lead wire with connector
N	Without lead wire

Output specification

Symbol	Specification	Applicable display unit (monitor) model
Nil	Output for display unit	Series PF2W300
1	Output for display unit + Analog output (1 to 5 V)	Series PF2W200/300
2	Output for display unit + Analog output (4 to 20 mA)	Series PF2W300



Specifications

Model		PF2W504	PF2W520	PF2W540	PF2W511
Measured fluid		Water			
Detection type		Karman vortex			
Rated flow range		0.5 to 4 ℓ/min	2 to 16 ℓ/min	5 to 40 ℓ/min	10 to 100 ℓ/min
Operating pressure range		0 to 1 MPa			
Withstand pressure		1.5 MPa			
Operating fluid temperature		0 to 50°C			0 to 50°C
Linearity <small>Note 1)</small>		±5% F.S. or less			±3% F.S. or less
Repeatability <small>Note 1)</small>		±3% F.S. or less			±1% F.S. or less (connected with PF2W3□□) ±3% F.S. or less (connected with PF2W2□□)
Temperature characteristics		±2% F.S. or less (15 to 35°C based on 25°C), ±3% F.S. or less (0 to 50°C, based on 25°C)			
Output specifications <small>Note 2)</small>	Output for display unit	Pulse output, N channel, open drain, output for display unit PF2W3□□□. (Specifications: Maximum load current of 10 mA; Maximum applied voltage of 30 V)			
	Analog output	Voltage output 1 to 5 V Linearity: ±5% F.S. or less; allowable load resistance: 100 kΩ or more.			
		Current output 4 to 20 mA Linearity: ±5% F.S. or less; allowable load resistance: 300 Ω or less with 12 VDC, 600 Ω or less with 24 VDC			
Power supply voltage		12 to 24 VDC (ripple ±10% or less)			
Current consumption (No load)		20 mA or less			
Resistance	Enclosure	IP65			
	Operating temperature range	Operating: 0 to 50°C, Stored: −25 to 85°C (with no freezing and condensation)			
	Withstand voltage	1000 VAC for 1 min. between external terminal and case			
	Insulation resistance	50M Ω or more (500 VDC Mega) between external terminal and case			
	Vibration resistance	10 to 500 Hz with a 1.5 mm amplitude or 98 m/s ² acceleration, whichever is smaller.			4.9 m/s ²
	Impact resistance	490 m/s ² in X, Y, Z directions 3 times each			
	Noise resistance	1000 Vp-p, Pulse width 1 μs, Rise time 1 ns			
Weight <small>Note 3)</small>		410 g	470 g	650 g	1,100 g
Port size (Rc, NPT, G)		3/8	3/8, 1/2	1/2, 3/4	3/4, 1

Note 1) The system accuracy when combined with PF2W2□□□/3□□.

Note 2) Output system can be selected during initial setting.

Note 3) Without lead wire. (Add 20 g for the types of analog output whether voltage or current output selected.)

Note 4) The sensor unit conforms to the CE mark.