

How to Order CE UK CA RoHS



Remote Type Sensor Unit **PF2W5** **20** **T** - **03** - **C**

Flow rate range

04	0.5 to 4 L/min
20	2 to 16 L/min
40	5 to 40 L/min

Temperature range

T	0 to 90°C
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Thread type

Nil	Rc
N	NPT
F	G

Port size

Symbol	Port size	Flow rate (L/min)			Applicable model
		4	16	40	
03	3/8	●	●		PF2W504T/520T
04	1/2		●	●	PF2W520T/540T
06	3/4			●	PF2W540T

Option (Only for output specifications "1")
(Refer to page 322.)

Nil	None
C	e-con connector (1 pc.)

The cable and connector are shipped unassembled.

Lead wire (Refer to page 322.)

Nil	Lead wire with M12 connector (3 m)
N	Without lead wire

Output specifications

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

Specifications

Model	PF2W504T	PF2W520T	PF2W540T
Measured fluid	Water, Mixture of water (50%) and ethylene glycol (50%)		
Detection type	Karman vortex		
Rated flow range	0.5 to 4 L/min	2 to 16 L/min	5 to 40 L/min
Operating pressure range	0 to 1 MPa		
Withstand pressure	1.5 MPa		
Operating fluid temperature	0 to 90°C (with no cavitation)		
Accuracy <small>Note 1)</small>	±5% F.S.		
Repeatability <small>Note 1)</small>	±2% F.S.		
Temperature characteristics	±2% F.S. (15 to 35°C, 25°C reference), ±3% F.S. (0 to 50°C, 25°C reference)		
Output specifications <small>Note 2)</small>	Output for monitor unit	Pulse output, N channel, open drain, output for monitor unit PF2W3□□□. (Specifications: Maximum load current of 10 mA; Maximum applied voltage of 30 V)	
	Analog output	Voltage output 1 to 5 V Accuracy: ±5%F.S., Min. load impedance: 100 kΩ or more (Output impedance: 1 kΩ)	
		Current output 4 to 20 mA Accuracy: ±5%F.S., Max. load impedance: 300 Ω or less (at 12 VDC), 600 Ω or less (at 24 VDC)	
Power supply voltage	12 to 24 VDC ±10%		
Current consumption (No load)	20 mA or less		
Environment	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 minute between terminals and housing	
	Insulation resistance	50 M Ω or more (500 VDC measured via megohmmeter) between terminals and housing	
	Noise resistance	1000 Vp-p, Pulse width 1μs, Rise time 1ns	
Weight <small>Note 3)</small>	660 g		
Port size (Rc, NPT, G)	3/8	3/8, 1/2	1/2, 3/4

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 20g for the types of analog output whether voltage or current output selected.)
 Note 4) The sensor unit conforms to the CE/UKCA marking.



Monitor units are the same as those of remote type digital flow switch for water (Series PF2W3□□/PF2W20□). Refer to pages 304 and 305 for details.

Pressure Sensor
 Pressure Control
 Flow Sensor
 Position Detection Switch
 Reduced-wiring Fieldbus System
 Static Electricity Elimination Equipment
 Length Measuring/Counter
 Alphabetical Index