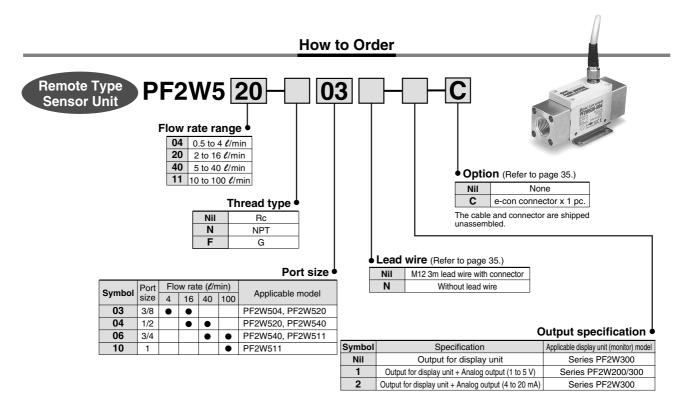
For Water Digital Flow Switch Series PF2W



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 Note 1)		±5% F.S. or less			±3% F.S. or less
Repeatability Note 1)		±3% F.S. or less			±1% F.S. or less (connected with PF2W33□) ±3% F.S. or less (connected with PF2W2□□)
Temperature characteristics		$\pm 2\%$ F.S. or less (15 to 35°C based on 25°C), $\pm 3\%$ F.S. or less (0 to 50°C, based on 25°C)			
Output Note 2)	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: $\pm 5\%$ F.S. or less; allowable load resistance: 100 k Ω or more.			
		Current output 4 to 20 mA Linearity: $\pm 5\%$ 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/s² acceleration, whichever is smaller. 4.9 m/s²			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 Note 3)		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 $\square\square$ /3 $\square\square$.



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 unitis conforms to the CE mark.