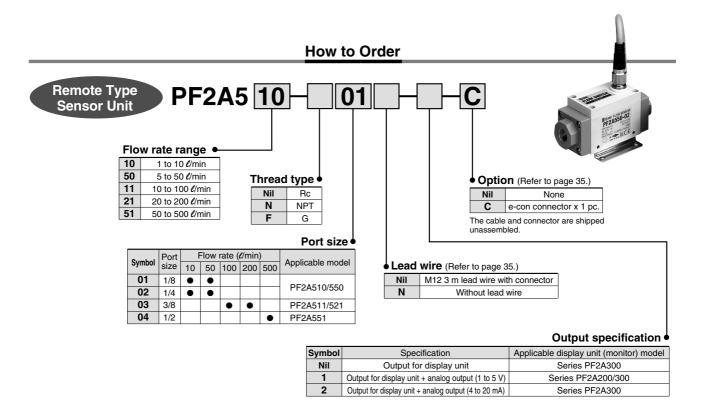
For Air Digital Flow Switch Series PF2A



Specifications

Model		PF2A510	PF2A550	PF2A511	PF2A521	PF2A551
Measured fluid		Air, Nitrogen				
Detection type		Heater type				
Rated flow range		1 to 10 ℓ/min	5 to 50 ℓ/min	10 to 100 ℓ/min	20 to 200 ℓ/min	50 to 500 ℓ/min
Operating pressure range		-50 kPa to 0.5 MPa		-50 kPa to 0.75 MPa		
Proof pressure		1.0 MPa				
Operating fluid temperature		0 to 50°C				
Linearity Note 1)		±5% F.S. or less				
Repeatability Note 1)		$\pm 1\%$ F.S. or less (Connected with PF2A3 $\square\square$), $\pm 3\%$ F.S. or less (Connected with PF2A2 $\square\square$)				
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	Analog voltage output (non-linear) output impedance 1 kΩ output for display unit PF2A3□□				
	Analog output	Voltage output 1 to 5 V (within the flow rate range) Linearity: $\pm 5\%$ F.S. or less; allowable load resistance: 100 k Ω or more.				
		Current output 4 to 20 mA (within the flow rate range) 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)		100 mA or less				110 mA or less
E	inclosure	IP65				
	perating temperature range	Operating: 0 to 50°C, Stored: -25 to 85°C (with no freezing and condensation)				
۷اڠ	Vithstand voltage	1000 VAC for 1 min. between external terminal and case				
1 35	nsulation resistance	50M Ω or more (500 VDC Mega) between external terminal and case.				
Resistance	ibration resistance	10 to 500 Hz with a 1.5 mm amplitude or 98 m/s ² acceleration, whichever is smaller.				
lı	mpact resistance	490 m/s ² in X, Y, Z directions 3 times each				
N	loise resistance	1000 Vp-p, Pulse width 1 μs, Rise time 1 ns				
Weight Note 3)		20	200 g 240 g			
Port size (Rc, NPT, G)		1/8	, 1/4	3	3/8	1/2

- Note 1) The system accuracy when combined with PF2A2 \Bullet 1/3 \Bullet 1.
- 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) Flow rate unit measured under the following conditions: 0°C and 101.3 kPa. Note 5) The sensor unit conforms to the CE mark.

