



Helping your efficiency
Digital flow switch for large flow
PF3A□H(-L) Series

[Quick overview](#)

Digital flow switch for large flow

PF3A□H(-L) Series

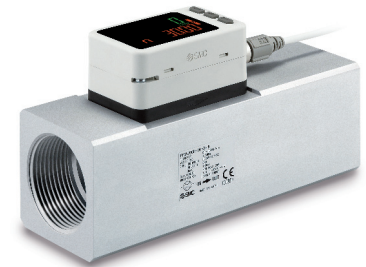


RoHS



IP65

- ▶ **Employ a single product to detect leaks and keep air consumption in sight** – 100:1 flow ratio with almost zero pressure loss
- ▶ **Get more information at a glance** – 2-line display with up to 4 simultaneous values at once, including flow, pressure & temperature
- ▶ **Smartly automate your monitoring process** – IO-Link for online parametrization and extraction of numeric data. Parallel analogue output possible
- ▶ **Achieve an all-in-one solution** – Possibility of connecting, with built-in pressure and temperature sensor, to an air combination unit.



Main features

- ▶ **Flow ratio 100:1** – Wide range of flow measurement with one product.
- ▶ **IO-Link compatible output** – Increased data availability, product diagnosis, standard wiring, remote access, easy sensor replacement, tamper-free.

3-colour/2-screen display

3-colour/4-screen display

Integrated temperature sensor (0 to 50 °C) and pressure sensor (0 to 1 MPa)

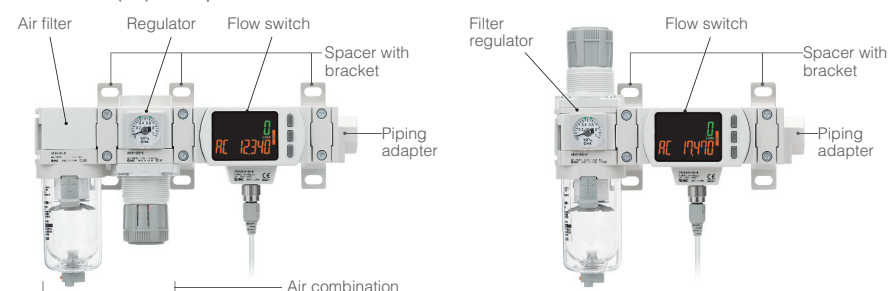
Display rotates 90° and can be reversed



Can be connected to the air combination (Modular types)

PF3A□01(-L) compatible with AC30-D and AW30-D

PF3A□02(-L) compatible with AC40-D and AW40-D



Selected part numbers

Part number	Flow rate [l/min]	Port size	Applicable air combination model	Modular	Output specification	Integrated pressure & temperature sensor
PF3A701H-ES	10 to 1000	—	AC30-D/AW30-D	Yes	PNP Analogue Voltage External input	No
PF3A702H-ES	20 to 2000	—	AC40-D/AW40-D			
PF3A703H-F10-ES	30 to 3000	G1	—	No		
PF3A706H-F14-ES	60 to 6000	G1, 1/2	—			
PF3A712H-F20-ES	120 to 12000	G2	—			
PF3A701H-FS	10 to 1000	—	AC30-D/AW30-D	Yes	PNP Analogue Current External input	
PF3A702H-FS	20 to 2000	—	AC40-D/AW40-D			
PF3A703H-F10-FS	30 to 3000	G1	—	No		
PF3A706H-F14FES	60 to 6000	G1, 1/2	—			
PF3A712H-F20-FS	120 to 12000	G2	—			
PF3A701H-L	10 to 1000	—	AC30-D/AW30-D	Yes	IO-Link: Switch output (N/P)	
PF3A702H-L	20 to 2000	—	AC40-D/AW40-D			
PF3A703H-F10-L	30 to 3000	G1	—	No		
PF3A706H-F14-L	60 to 6000	G1, 1/2	—			
PF3A712H-F20-L	120 to 12000	G2	—			
PF3A701H-L3	10 to 1000	—	AC30-D/AW30-D	Yes	IO-Link: Switch output (N/P)/ Analogue voltage output External input	
PF3A702H-L3	20 to 2000	—	AC40-D/AW40-D			
PF3A703H-F10-L3	30 to 3000	G1	—	No		
PF3A706H-F14-L3	60 to 6000	G1, 1/2	—			
PF3A712H-F20-L3	120 to 12000	G2	—			
PF3A701H-L4	10 to 1000	—	AC30-D/AW30-D	Yes	IO-Link: Switch output (N/P)/ Analogue current output External input	
PF3A702H-L4	20 to 2000	—	AC40-D/AW40-D			
PF3A703H-F10-L4	30 to 3000	G1	—	No		
PF3A706H-F14-L4	60 to 6000	G1, 1/2	—			
PF3A712H-F20-L4	120 to 12000	G2	—			
PF3A801H-L2	10 to 1000	—	AC30-D/AW30-D	Yes	IO-Link/Switch output (N/P)	Yes
PF3A802H-L2	20 to 2000	—	AC40-D/AW40-D			

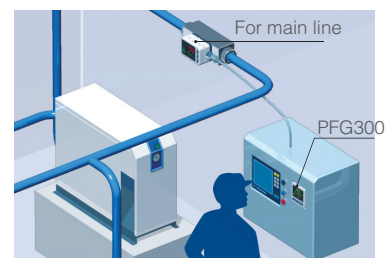
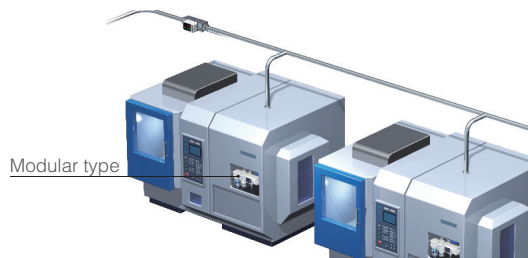
Accessories

Part number	Description
ZS-37-A	Lead wire and M12 connector. 3 m length
ZS-49-A	Lead wire and M12-M12 connector. 3 m length ¹⁾

1) Only applicable for IO-Link compatible product.

Applications

Monitoring of main line or branch line piping for energy saving.
Monitoring of air combination units (FRLs).



Related products



Digital flow monitor
PFG300 Series



3-screen display high-precision
digital pressure switch
ISE20□ Series



Main line filter
AFF□D Series



Combination units
AC-D Series



Expertise – Passion – Automation

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