



Expertise – Passion – Automation



PF3A706H-14-CS-M
FLOWRATE: 60~6000L/min
MAX. PRESS. 1.5MPa
SUP. BROWN(+) DC24V CLASS2
BLUE(-) GND
MAX. 150mA
BLACK(OUT) NPN 80mA 28V
WHITE(FUNC) A.O. 1~5V/0~10V
SIGNAL INPUT
IN → OUT
MADE IN JAPAN
CE
TR3 T



Helping your efficiency

Digital flow switch for large flow
PF3A7□H(-L) Series

[Quick overview](#)

Digital flow switch for large flow

PF3A7□H(-L) Series

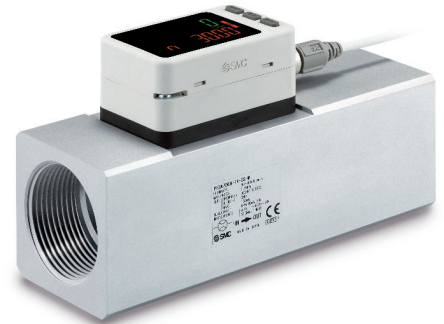


- ▶ **Employ a single product to detect leaks and keep air consumption in sight** – 100:1 Flow ratio with almost zero pressure loss
- ▶ **Get more information at a glance** – 2-line display with up to 3 simultaneous values and colour changes at switching points. Display rotates 90° and can be reversed
- ▶ **Smartly automate your monitoring process** – IO-Link for online parameterization and extraction of numeric data. Parallel analogue output possible.
- ▶ **Achieve an all-in-one solution** – Possibility of connecting together with air combination unit.

RoHS



IP65



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.

Analogue output gives more and detailed information of the application performance

The external input can reset the accumulated value, peak value and bottom value without manipulation.



3-colour/2-screen display can be reversed

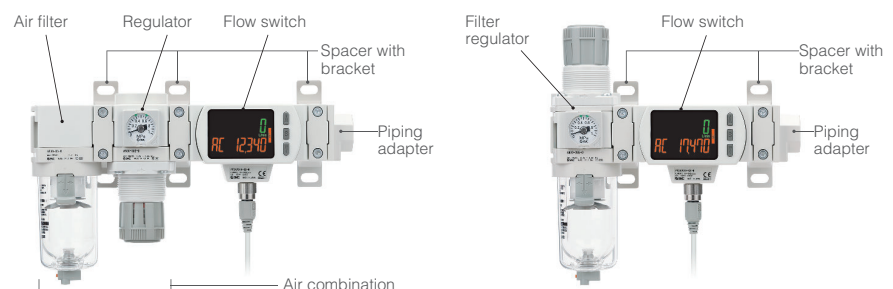


Display rotates 90° and can be reversed



Can be connected to the air combination (Modular type)

PF3A701H(-L) compatible with AC30-D and AW30-D
 PF3A702H(-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
PF3A701H-ES	10 to 1000	—	AC30-D/AW30-D	Yes	PNP Analogue Voltage External input
PF3A702H-ES	20 to 2000	—	AC40-D/AW40-D	Yes	
PF3A703H-F10-ES	30 to 3000	G1	—	No	
PF3A706H-F14-ES	60 to 6000	G1, 1/2	—	No	
PF3A712H-F20-ES	120 to 12000	G2	—	No	PNP Analogue Current External input
PF3A701H-FS	10 to 1000	—	AC30-D/AW30-D	Yes	
PF3A702H-FS	20 to 2000	—	AC40-D/AW40-D	Yes	
PF3A703H-F10-FS	30 to 3000	G1	—	No	
PF3A706H-F14FES	60 to 6000	G1, 1/2	—	No	IO-Link: Switch output (N/P)
PF3A712H-F20-FS	120 to 12000	G2	—	No	
PF3A701H-L	10 to 1000	—	AC30-D/AW30-D	Yes	
PF3A702H-L	20 to 2000	—	AC40-D/AW40-D	Yes	
PF3A703H-F10-L	30 to 3000	G1	—	No	IO-Link: Switch output (N/P)/ Analogue voltage output External input
PF3A706H-F14-L	60 to 6000	G1, 1/2	—	No	
PF3A712H-F20-L	120 to 12000	G2	—	No	
PF3A701H-L3	10 to 1000	—	AC30-D/AW30-D	Yes	
PF3A702H-L3	20 to 2000	—	AC40-D/AW40-D	Yes	IO-Link: Switch output (N/P)/ Analogue current output External input
PF3A703H-F10-L3	30 to 3000	G1	—	No	
PF3A706H-F14-L3	60 to 6000	G1, 1/2	—	No	
PF3A712H-F20-L3	120 to 12000	G2	—	No	
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	Yes	
PF3A703H-F10-L4	30 to 3000	G1	—	No	
PF3A706H-F14-L4	60 to 6000	G1, 1/2	—	No	
PF3A712H-F20-L4	120 to 12000	G2	—	No	

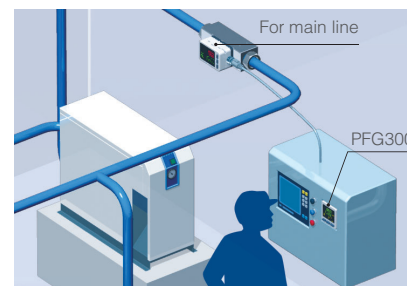
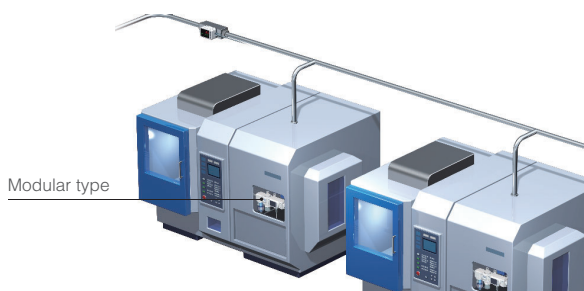
Accessories

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



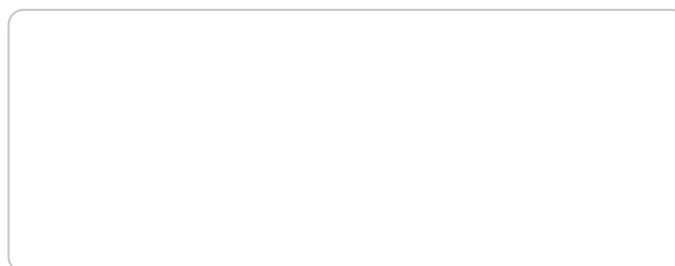
Combination units
AC-B Series



Expertise – Passion – Automation

SMC Corporation

Akihabara UDX 15F, 4-14-1
Sotokanda, Chiyoda-ku, Tokyo 101-0021, JAPAN
Phone: 03-5207-8249
Fax: 03-5298-5362



Austria	+43 (0)2262622800	www.smc.at	office@smc.at
Belgium	+32 (0)33551464	www.smc.be	info@smc.be
Bulgaria	+359 (0)2807670	www.smc.bg	office@smc.bg
Croatia	+385 (0)13707288	www.smc.hr	office@smc.hr
Czech Republic	+420 541424611	www.smc.cz	office@smc.cz
Denmark	+45 70252900	www.smc.dk.com	smc@smcdk.com
Estonia	+372 6510370	www.smc.ee	smc@smcpneumatics.ee
Finland	+358 207513513	www.smc.fi	smcfi@smc.fi
France	+33 (0)164761000	www.smc-france.fr	info@smc-france.fr
Germany	+49 (0)61034020	www.smc.de	info@smc.de
Greece	+30 210 2717265	www.smc.gr	sales@smchellas.gr
Hungary	+36 23513000	www.smc.hu	office@smc.hu
Ireland	+353 (0)14039000	www.smc.ie	sales@smcautomation.ie
Italy	+39 03990691	www.smc.it	mailbox@smcitalia.it
Latvia	+371 67817700	www.smc.lv	info@smc.lv

Lithuania	+370 5 2308118	www.smclt.lt	info@smclt.lt
Netherlands	+31 (0)205318888	www.smc.nl	info@smcpneumatics.nl
Norway	+47 67129020	www.smc-norge.no	post@smc-norge.no
Poland	+48 222119600	www.smc.pl	office@smc.pl
Portugal	+351 226166570	www.smc.eu	postpt@smc.smces.es
Romania	+40 213205111	www.smcromania.ro	smcromania@smcromania.ro
Russia	+7 8127185445	www.smc-pneumatik.ru	info@smc-pneumatik.ru
Slovakia	+421 (0)413213212	www.smc.sk	office@smc.sk
Slovenia	+386 (0)73885412	www.smc.si	office@smc.si
Spain	+34 902184100	www.smc.es	post@smc.smces.es
Sweden	+46 (0)86031200	www.smc.se	post@smc.se
Switzerland	+41 (0)523963131	www.smc.ch	info@smc.ch
Turkey	+90 212 489 0 440	www.smc-pneumatik.com.tr	info@smcpneumatik.com.tr
UK	+44 (0)845 121 5122	www.smc.co.uk	sales@smcpneumatics.co.uk