



SWITCHOVER DOCUMENT

PFGV301 Series
Digital Flow Monitor

Improved features and related benefits

Feature

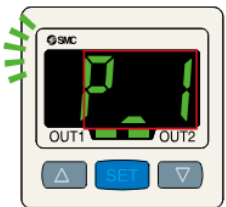
- PFGV301 new 3-screen display monitor that allows the display of both voltage and flow rate

Customer Benefit

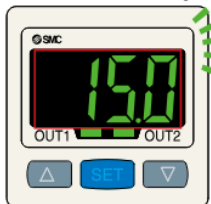
- User-friendly visualisation of measured flow rate from remote locations



Existing model



Switches between displays



The sub screen (label) shows the item to be set.

New

PFGV301

Always displayed on one screen



Mode Examples	Hysteresis mode					
	Normal output	Set value (Threshold value)	Reversed output	Set value (Threshold value)	Hysteresis	Set hysteresis value
	P.L 300	n.L 300	H.L 0.20			
Window comparator mode						
Normal output/Lo side	Set value (Threshold value)	Normal output/Hi side	Set value (Threshold value)			
P.L 2.20	P.H 3.40					
Reversed output/Lo side	Set value (Threshold value)	Reversed output/Hi side	Set value (Threshold value)			
n.L 2.20	n.H 3.40					

Improved features and related benefits

Feature

- Switchable NPN and PNP switch output

Customer Benefit

- Number of stocked products can be reduced



Feature

- Analogue voltage 0 to 10 V output and analogue current 4 to 20 mA output

Customer Benefit

- Flexibility in the connectivity of the installation depending on application requirements, like noise immunity, desired resolution and wiring complexity

Standard Specification

Series	Current PFMV3	New PFGV301
Picture		
Indication unit	Voltage: V Flow rate: l/min, cfm (ft3/h)	Voltage: V Flow rate: l/min, cfm (ft3/h)
Power supply voltage [VDC]	12 to 24	12 to 24
Current consumption [mA]	50 or less	25 or less
Number of outputs	3 (2 digital, 1 analogue)	3 (2 digital, 1 analogue)
Digital output	2 x PNP or 2 x NPN	2 x PNP/NPN (switching type)
Analogue output	Voltage: 1 to 5 V	Voltage: 1 to 5 V or 0 to 10 V Current: 4 to 20 mA
Display	LED 1-screen 2-colour	LCD 3-screen 3 colour
Display accuracy	±0.5% F.S.	±0.5 % F.S.
Enclosure	IP40	IP40
Operating temperature range [°C]	Operating: 0 to 50°C Stored: -10 to 60 (No freezing and condensation)	Operating: 0 to 50°C Stored: -10 to 60 (No freezing and condensation)
Operating humidity range [°C]	Operating/Stored: 35 to 85 % RH (No condensation or freezing)	Operating/Stored: 35 to 85 % RH (No condensation or freezing)
Standards	CE	CE, UKCA
Electrical connector	E-con connector	E-con connector

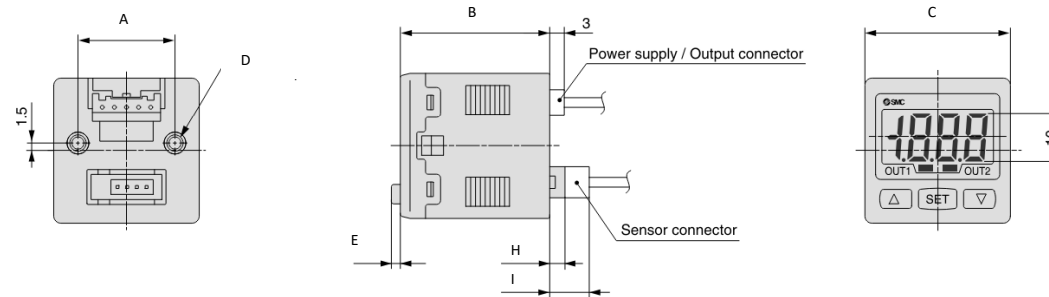


Difference in specifications

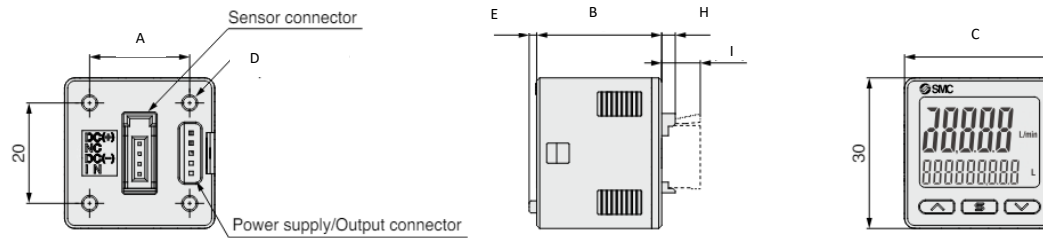
Dimensions

General dimensions

Current
PFMV3



New
PFGV301



Series	A	B	C	D	E	H	I
Current PFMV3	20	31	30	2 x M3 x 0.5 Thread depth 4	1.5	3.2	8.2
New PFGV301	20	25	30	4 x Ø 2.6 Depth 7 or less	1.5	2.7	7.7

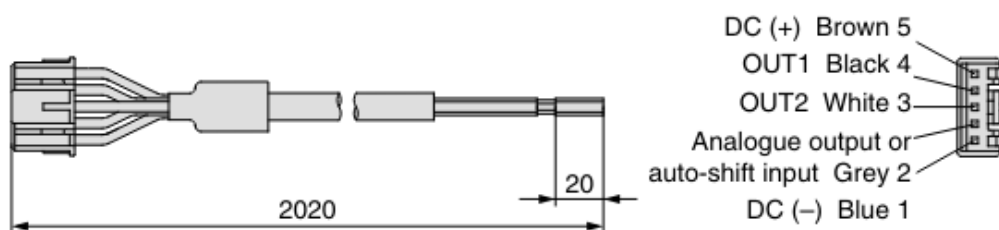
 Difference in specifications

Accessories

Brackets, panel mounts and lead wires

	Current PFMV3	New PFGV301
Power supply/Output connector	ZS-28-A	ZS-46-5L
Sensor connector	ZS-28-C	ZS-28-C
Bracket	ZS-28-B	ZS-46-A1 (vertical) ZS-46-A2 (horizontal)
Panel mount adapter	ZS-27-C	ZS-46-B
Panel mount adapter + Front protective cover	ZS-27-D	ZS-46-D
PFMV30 - PFGV301 conversion cable	-	ZS-28-A-X538

ZS-28-A



ZS-46-5L

