



SWITCHOVER DOCUMENT

PF2M7 Series 2-Colour Display Digital Flow Switch

Improved features and related benefits

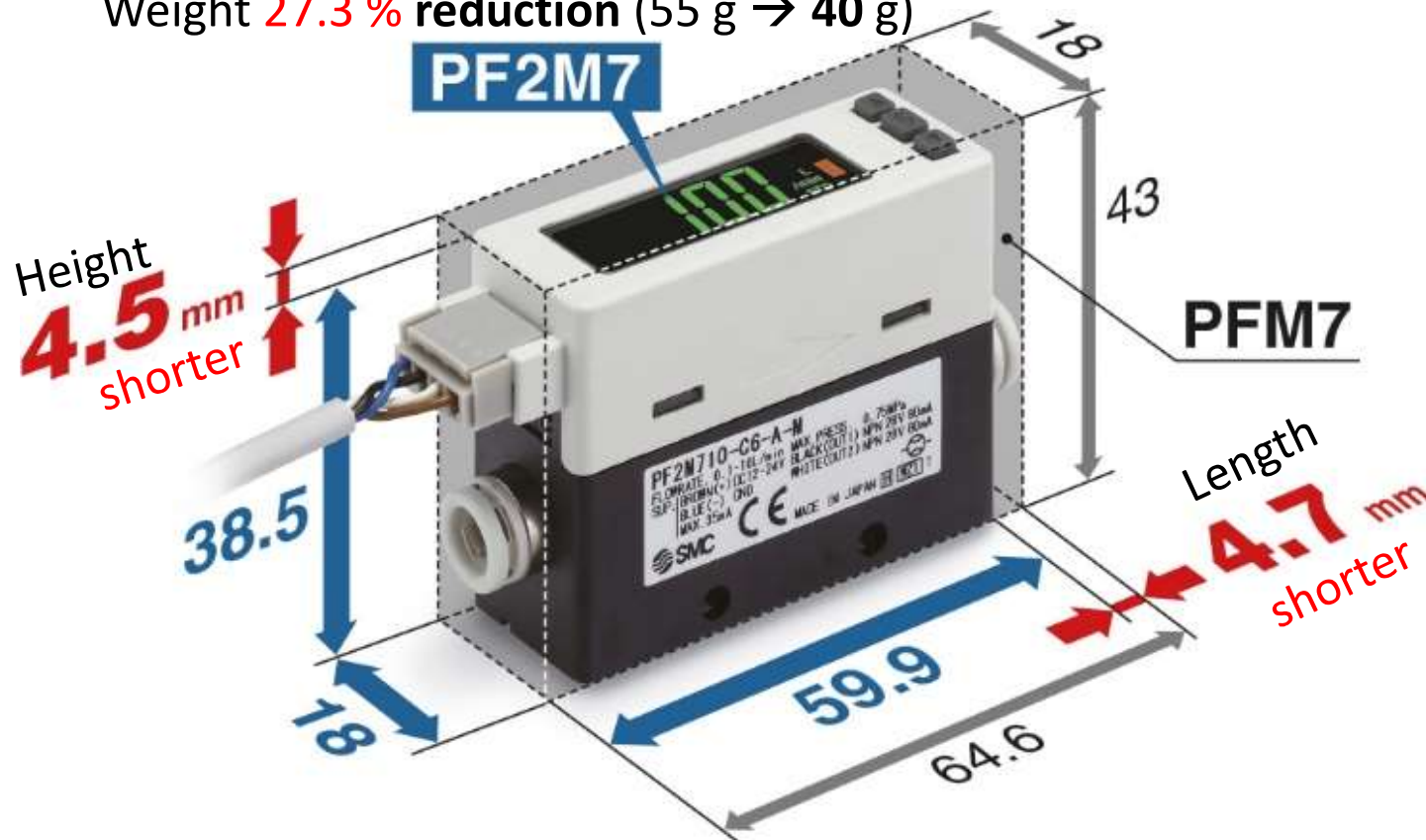
Feature:

- Compact size with reduced weight

Customer Benefit:

- Space-saving design
- Flexibility in design
- Keep the machine/equipment size reduced

Weight **27.3 %** reduction (55 g → 40 g)



Improved features and related benefits

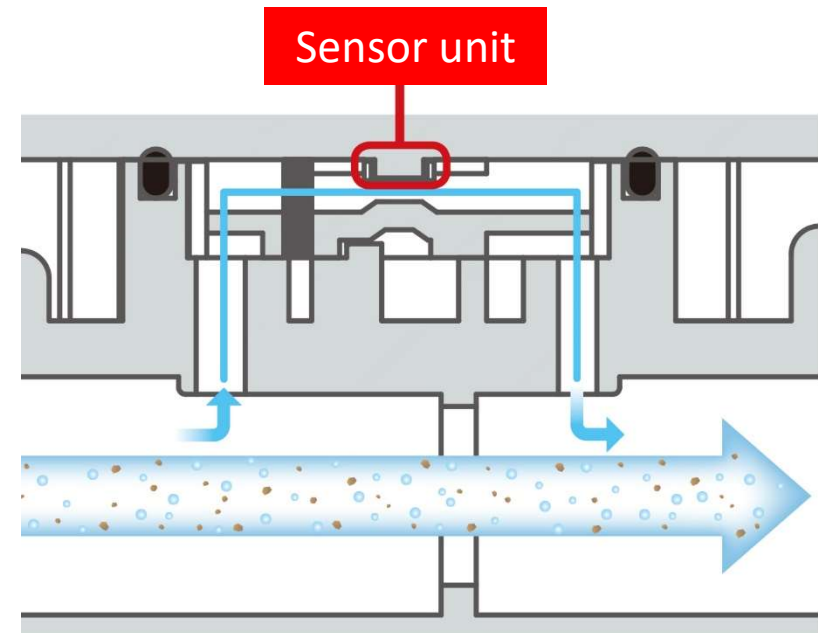
Feature:

- Improved drainage and resistance to foreign matter

Customer Benefit:

- Longer life cycle, reduced maintenance
- Improved sensor accuracy due to reduced damage
- Reduction of the moist air or foreign matter in contact with the sensor

Air containing moisture or foreign matter



Feature:

- Increased accumulated flow range

Customer Benefit:

- Capability of monitoring long-term flow rates

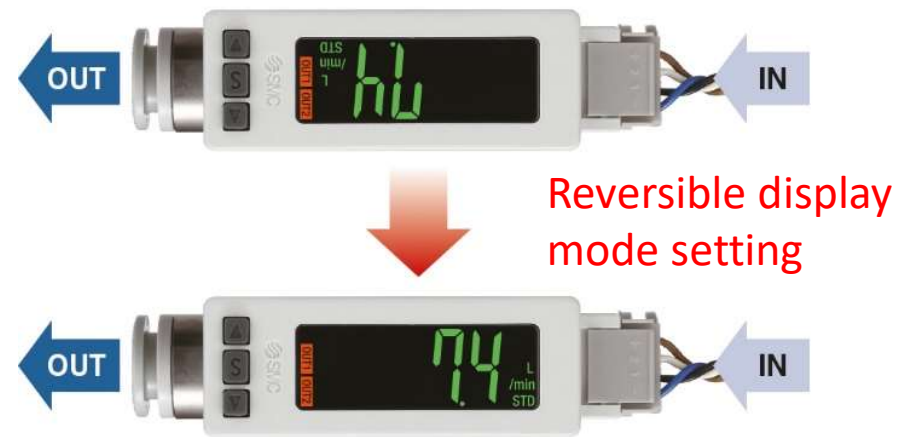
Improved features and related benefits

Feature:

- Reversible display mode

Customer Benefit:

- Flexible configuration, with reduced piping labour and space optimisation
- Possibility of reading the display while product is being used upside down



Feature:



- Low current consumption: 35 mA or less

Customer Benefit:

- Sustainable and energy-efficient product

Standard specifications

Technical details

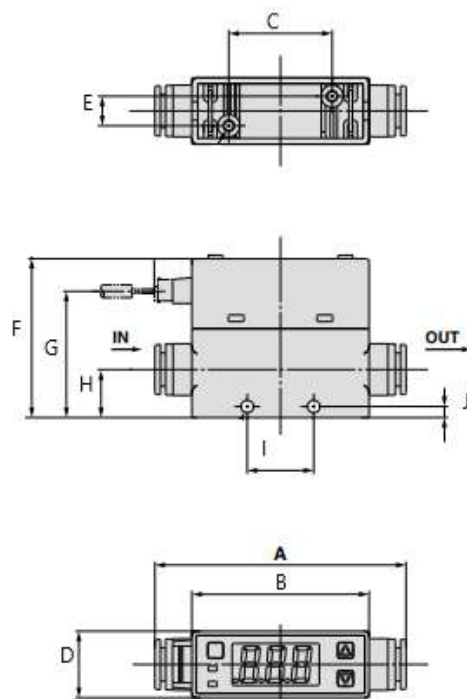
Series		Current PFM	New PF2M
Picture			
Applicable fluid		Dry air, N2, Ar, CO2	Dry air, N2, Ar, CO2
Rated flow range		0.2 to 100 l/min	0.1 to 100 l/min
Rated pressure range		-0.07 to 0.75 MPa	
Accumulated flow range		999,999 L	0 to 999,999,999 L
Response time		1.5 sec or less (90% response)	0.05 sec or less
Accuracy		Display accuracy: $\pm 3\%$ F.S. or less (Fluid: Dry air); Analogue output accuracy: $\pm 5\%$ F.S. or less	$\pm 3\%$ F.S.
Output	Switch output	NPN/PNP open collector	
	Analogue output	Voltage (1 to 5 V, can be selected up to 10 V); analogue (4 to 20 mA)	
Display		2-colour display // 1-screen display	2-colour display // 1-screen display, reversible display mode
Current consumption		55 mA or less	35 mA or less
Power supply voltage		24 VDC ($\pm 10\%$)	12 to 24 VDC ($\pm 10\%$)
Operating temperature range		0° to 50°C	
Enclosure		IP40	
Weight		55 to 175 g	40 to 190 g
Dimensions		(43)H x (18)W x (68)L (depending on piping)	(38.5)H x (18)W x (59.9)L (depending on piping)
Other		Integrated flow adjustment valve (optional), several mountings	Integrated flow adjustment valve (optional), several mountings, improved drainage and resistance to foreign matter



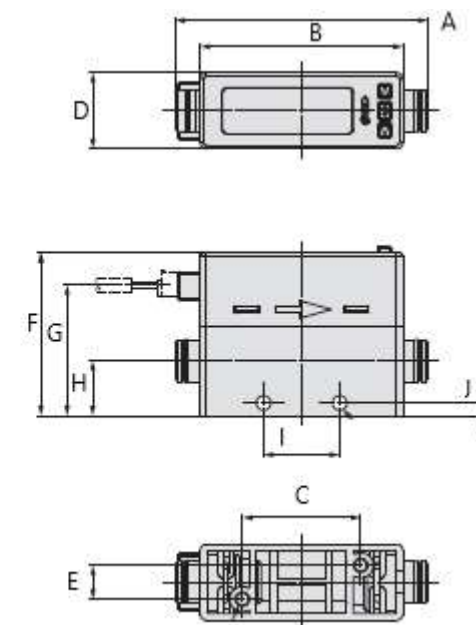
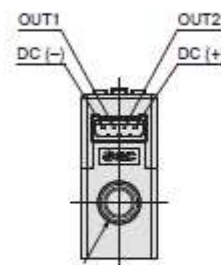
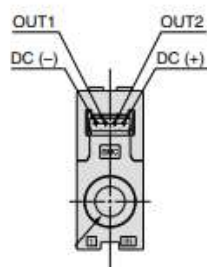
Difference in specifications

Dimensions

General dimensions




Actual PFM



New PF2M

A [mm]		B [mm]		C [mm]		D [mm]		E [mm]		F [mm]		G [mm]		H [mm]		I [mm]		J [mm]	
Current	New	Current	New	Current	New	Current	New	Current	New	Current	New	Current	New	Current	New	Current	New	Current	New
64.6	59.9	48	48	28	28	18	18	8	8	43	38.5	34.2	30.9	13	13	18	18	3	3

 Difference in specifications

Accessories

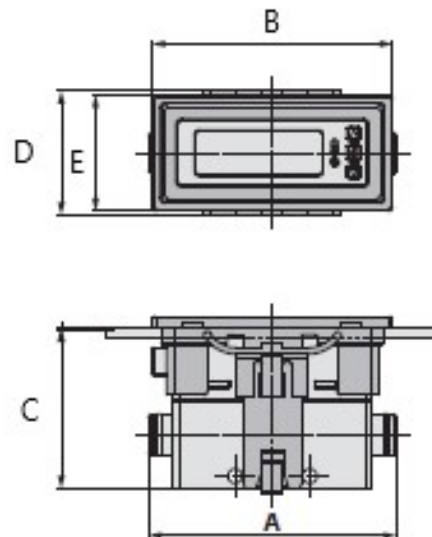
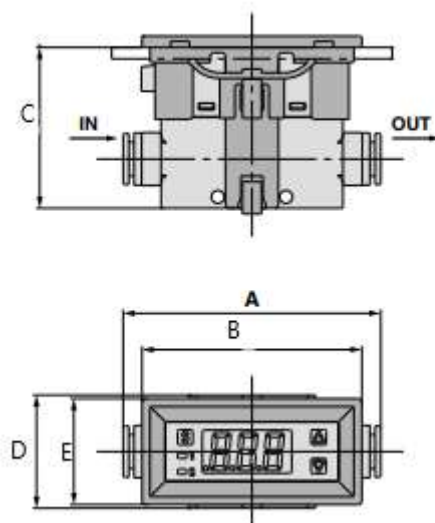
Brackets, panel mounts and lead wires

Technical details


	Current PFM	New PF2M
Bracket A (for use without flow adjustment valve)	ZS-33-M	ZS-33-M
Bracket B (for use with flow adjustment valve)	ZS-33-MS	ZS-33-MS
Panel mount adapter A (for use without flow adjustment valve)	ZS-33-J	ZS-33-2J
Panel mount adapter B (for use with flow adjustment valve)	ZS-33-JS	ZS-33-2JS
Lead wire with connector	ZS-33-D	ZS-33-D
Rubber cover for connector	ZS-33-F	ZS-33-F

Panel mounts

PFM Series with panel mount A // PF2M Series with panel mount A (New)



	PFM Series with panel mount A	PF2M Series with panel mount A (New)
A	64.6	59.9
B	58	58
C	42.5	38.4
E	28	28
D	29.9	29.9

 Difference in specifications