

Dust/Water-resistant structure



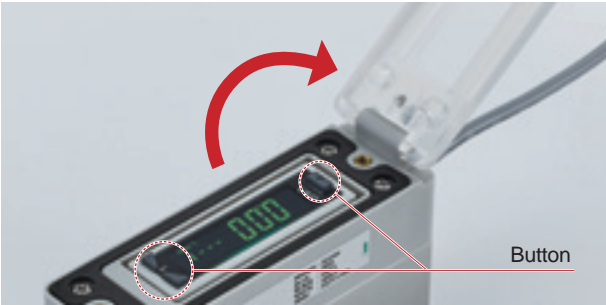
Can be used in environments where it is exposed to dust or water

Has a degree of protection of IP65 or equivalent. Provides reliability in environments with dust, maintenance, and cleaning, during which it may be exposed to water splashing.



ATEX compliant (option)

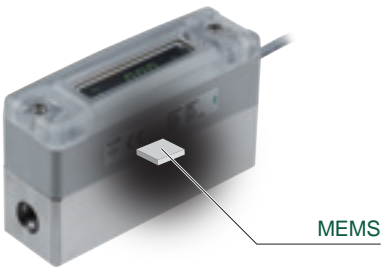
Refer to "ATEX Compatibility" on page 26 for specifications.



With the LCD display, button operation is possible by opening the cover.

* Protective structure is not applicable when the cover is open.

High performance



MEMS stands for Micro Electro Mechanical Systems and refers to ultra-compact devices based on microfabrication technology used in the manufacture of semiconductor integrated circuits.

Clean-room specifications

Anti-dust generation packaging (P70) and oil-prohibited specifications (P80) are included in the product lineup as standard.

Usage according to the grade of the device is possible.

Outgassing supported

Resin is not used in the flow path. Ideal for processes susceptible to outgassing.

Variety

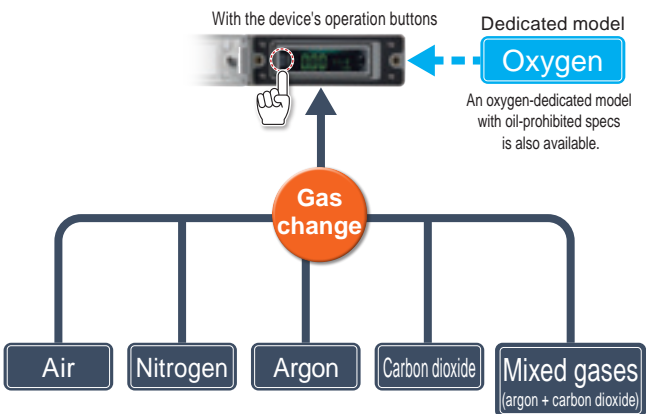
Five types of gases can be measured with just one unit

Gas switching function

(LCD display) (Model with full scale flow rate of 200L/min or below:)

Air, nitrogen, argon, carbon dioxide, gas mixture (mixture ratio Ar:CO₂(8:2)) is supported with this single flow rate sensor. Gases can be switched with operation buttons.

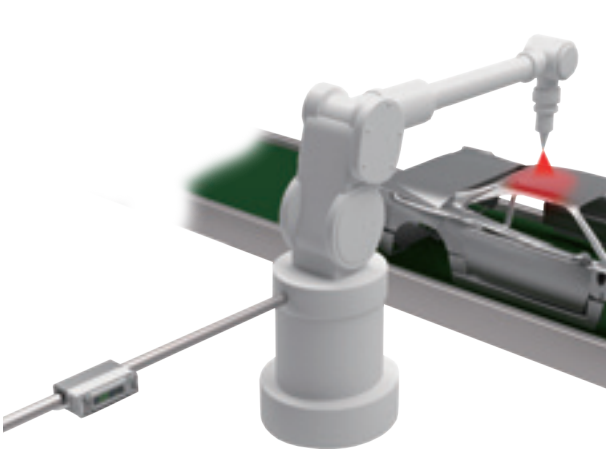
* If you have a request for mixing ratios, please contact our sales representative.



Solution examples

Painting air flow rate control

Change the air pressure and controls flow rate used during coating with the electro-pneumatic regulator.



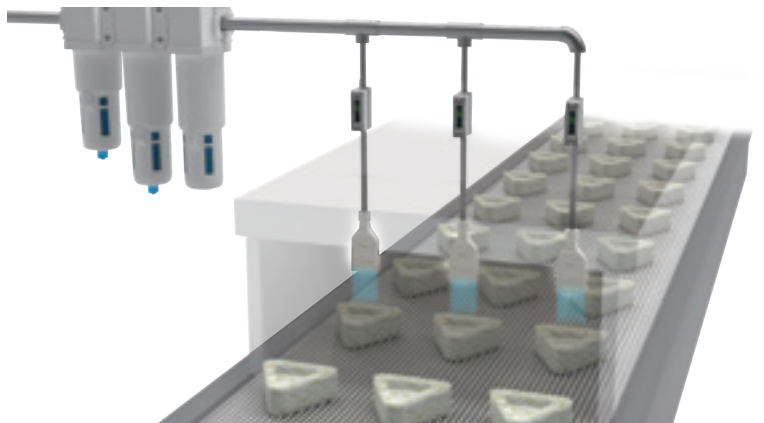
Arc welding

Manages argon, gas mixtures (argon + carbon dioxide), and other shielding gases.





Cooling cooked rice

After cooking, rice is cooled over a short period using safe compressed air that has been filtrated with a bacteria removing filter to prevent bacteria growth.



Series variation

Appearance	Applicable fluid	Port size	Max. flow rate (L/min)												Page
  FSM3 Series	① Air Nitrogen Carbon dioxide Argon Mixed gases (Argon + Carbon dioxide)	Rc1/8	0.5	1	2	5	10	20							
		Rc1/4								50	100	200			
		Rc1/2											500	1000	
		G1/8	0.5	1	2	5	10	20							
		G1/4								50	100	200			
	② Oxygen	G1/2											500	1000	
		NPT1/8	0.5	1	2	5	10	20							
		NPT1/4								50	100	200			
		NPT1/2											500	1000	

• LDC display
Page 1

• Bar display
Page 5

*Applicable fluids are air and nitrogen only.

Compatible with clean-room specifications P70 and P80 Series.