

Digital Gas Mass Flow Meter



- Can Measure corrosive gases (ammonia, sulfur dioxide, hydrogen chloride, hydrogen sulfide, etc.);
- Suitable for various low/high pressure pipelines;

Low Range Model

Product type	Mass Flow Controller	Mass Flow Meter
Measuring range	100SCCM ~ 30SLM	
Measurement and control range	Controller range ratio 50:1	Flow measurement range ratio 100:1
Accuracy	$\pm 1.0\% \text{F.S}$	
Linear	$\pm 0.5\% \text{F.S}$	
Repeat accuracy	$\pm 0.2\% \text{F.S}$	
Response time	Flow controller: <0.2s	Flow meter: <0.8s
digital quantity	RS232/485, MODBUS protocol	
Analog quantity	0 ~ 5V、4-20mA、1 ~ 5V	
powered by	$\pm 15 \text{VDC}$, 24VDC	
Operating temperature	0 ~ 50°C	
work pressure	Working pressure difference: 0.05~0.5MPa	Working pressure drop: <0.01Mpa
Maximum withstand voltage	3MPa/10MPa	
Electrical connections	DB15 hole	
Leak rate	$1 \times 10^{-9} \text{Pa m}^3/\text{S}$	
Temperature Coefficient	$\pm 0.025\% \text{F.S}/^\circ\text{C}$	
Base material	Stainless steel	

Sealing material	Fluorine rubber, neoprene rubber, nitrile rubber
Connector	φ3, φ6, 1/8", 1/4"

Middle Range Model

Product type	Mass Flow Controller	Mass Flow Meter
Measuring range	30SLM ~ 300SLM	
Measurement and control range	Controller range ratio 50:1	Flow measurement range ratio 100:1
Accuracy	±1.5%F.S	
Linear	±0.5%F.S	
Repeat accuracy	±0.2%F.S	
Response time	Flow controller: <2s	Flow meter: <0.8s
digital quantity	RS232/485, MODBUS protocol	
Analog quantity	0 ~ 5V、4-20mA、1 ~ 5V	
powered by	±15VDC, 24VDC	
Operating temperature	0 ~ 50°C	
work pressure	Working pressure difference: 0.05~0.5MPa	Working pressure drop: <0.01Mpa
Maximum withstand voltage	3MPa/10MPa	

Electrical connections	DB15 hole
Leak rate	1×10-9Pa m3/S
Temperature Coefficient	±0.025%F.S/°C
Base material	Stainless steel
Sealing material	Fluorine rubber, neoprene rubber, nitrile rubber
Connector	φ8, φ10, φ12

High Range Model

Product type	Mass Flow Controller	Mass Flow Meter
Measuring range	500SLM ~ 3000SLM	
Measurement and control range	Controller range ratio 50:1	Flow measurement range ratio 100:1
Accuracy	±1.0%F.S	
Linear	±0.5%F.S	
Repeat accuracy	±0.2%F.S	
Response time	Flow controller: <2s	Flow meter: <0.8s
digital quantity	RS232/485, MODBUS protocol	
Analog quantity	0 ~ 5V、4-20mA、1 ~ 5V	

powered by	±15VDC, 24VDC	
Operating temperature	0 ~ 50°C	
work pressure	Working pressure difference: 0.05~0.5MPa	Working pressure drop: <0.01Mpa
Maximum withstand Pressure	3MPa/10MPa	
Electrical connections	DB15 hole	
Leak rate	1×10 ⁻⁹ Pa m ³ /S	
Temperature Coefficient	±0.025%F.S/°C	
Base material	Stainless steel	
Sealing material	Fluorine rubber, neoprene rubber, nitrile rubber	
Connector	φ12, Flange Installation	

Order Guide

product type	【C】 Mass flow controller 【M】 Mass flow meter	
Withstand	【M】3MPa	【Z】10MPa (Flow Meter
voltage range	Only)	
On-site display	【N】 Without LCD display 【X】 With LCD display	

status		
Flow range	【100C】100SCCM	【200C】200SCCM
	300SCCM	【300C】
	【001L】 1SLM	【002L】 2SLM
	【003L】 3SLM	【005L】 5SLM
	【010L】 10SLM	【020L】 20SLM
	【030L】 30SLM	【050L】 50SLM
	【100L】 100SLM	【200L】 200SLM
	【300L】 300SLM	【500L】 500SLM
	【1000L】 1000SLM	【2000L】 2000SLM
	【3000L】 3000SLM	
Measured medium	See the density reference table for details.	
Flow input signal	【A1】 0~5VDC	【A2】 4~20mA
	【A3】 1~5VDC	

output signal	【B1】 0~5VDC	【B2】 4~20mA
	【B3】 1~5VDC	
Supply voltage	【5】 ±15VDC	【4】 24VDC
communication method	【8】 RS485	【2】 RS232
Sealing material	【V】 Fluorine rubber	
	【T】 Nitrile rubber	
	【N】 Neoprene rubber	
	【Y】 Others	
Use connectors	【A】 φ3	【B】 φ6
	【C】 φ8	【D】 φ10
	【E】 φ12	【F】 1/8"
	【G】 1/4"	【L】 Flange
	【Y】 For others, please contact the manufacturer	