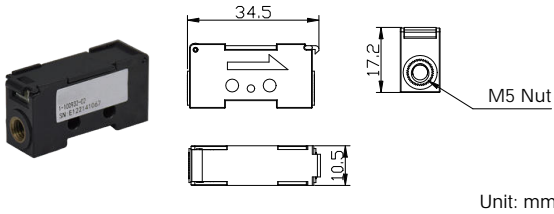


Flow Sensor Guide

BFM0200 Gas Flow Sensor

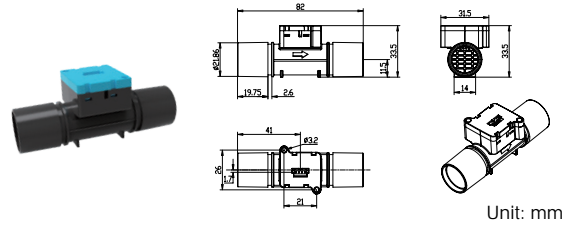


Unit: mm

Performance index

- Supply Voltage : 24V DC
- Flow range : 0~3L/min
- Pressure range : -100KPa ~ 200KPa
- Accuracy : $\pm 3\%$ (read)
- Interfaces : Analog signal 1 ~ 5V DC
- Aadvantage : Compact, simple design;
Quick response and quick recovery time;
Excellent long-term stability

BFM3000 Gas Flow Sensor

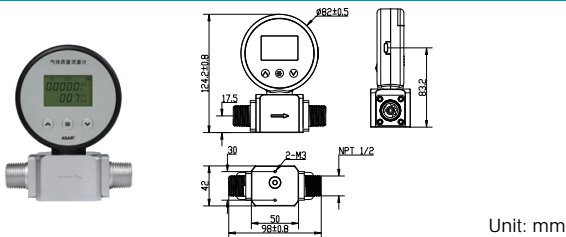


Unit: mm

Performance index

- Supply Voltage : 4.75~5.25V DC
- Measuring range : -200~+200SLM
- Operating temperature : 0~50
- Accuracy : $\pm 1.5\%$ read (Typical)
- Repeatability : $\pm 0.5\%$ read (Typical)
- Interfaces : Digital I²C
- Aadvantage : Full calibration, temperature compensation;
Low pressure loss, fast response, small zero drift

BMS2106 Mass Gas Flow Sensor

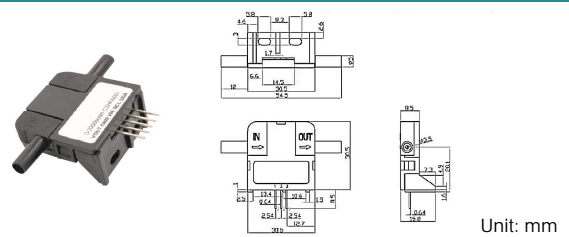


Unit: mm

Performance index

- Supply Voltage : Three AA batteries / 9~24V DC
- Flow range : 0 ~ 200L/min (standard)
- Maximum working pressure : 0.8MPa
- Accuracy : $\pm 3\%$ FS
- Standard calibration gas : Air (standard condition)
- Interfaces : RS485
- Communication : Modbus-RTU
- Aadvantage : Mass flow and temperature integrated measurement, support a variety of gas measurement

BAFS3000 Mass Gas Flow Sensor

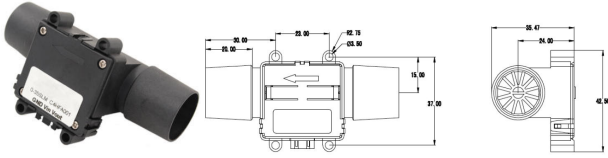


Unit: mm

Performance index

- Supply voltage : 8~24V DC
- Temperature range : -25°C ~ +85°C
- Flow range : 0 ~ 2500 sccm
- Withstand voltage : 0.3MPa
- Accuracy : 1.5%F.S
- Resolution : 0.1%
- Output signal : 1~5 V or I²C or RS485
- Zero drift : 0.2%Year
- Aadvantage : Linear output and no temperature compensation required

BAFS4000 Mass Gas Flow Sensor

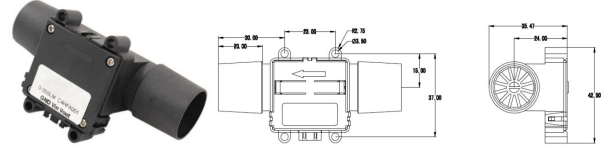


Unit: mm

Performance index

- Supply voltage : 8~18V DC
- Temperature range : -25°C ~+85°C
- Flow range : 0~300 SLPM
- Response time : 20ms
- Accuracy : 1.5%F.S
- Resolution : 0.1%F.S
- Output signal : 1~5 V or I²C
- Zero drift : 0.2%F.S
- Advantage : Linear output and temperature compensation ; Positive and negative gas flow measurement

BAFS4000B Mass Gas Flow Sensor

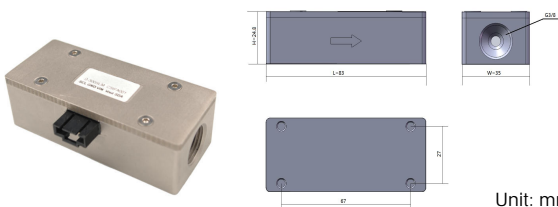


Unit: mm

Performance index

- Supply voltage : 8~18V DC
 - Temperature range : -25°C ~+85°C
 - Flow range : 0~300 SLPM
 - Response time : 20ms
 - Accuracy : 1.5%F.S
 - Resolution : 0.1%F.S
 - Output signal : 1~5 V or I²C
 - Zero drift : 0.2%F.S
 - Advantage : Linear output and temperature compensation
- Maintain long term stability with minimum zero drift

BAFS5008 Mass Gas Flow Sensor

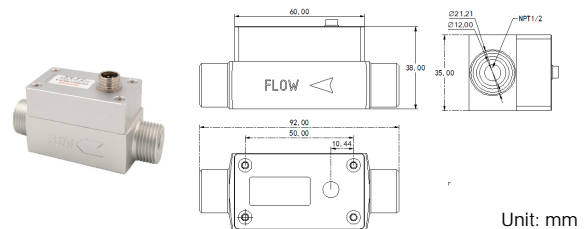


Unit: mm

Performance index

- Supply voltage : 8~24VDC , 50mA
- Temperature range : -25°C ~+85°C
- Flow range : 20/50/100/200 slpm (customizable)
- Response time : 20ms
- Accuracy : 1.5%F.S
- Maximum pressure : 0.8MPa (customizable)
- Output signal : 1~5 V or I²C
- Interface : G3/8 (customizable)
- Advantage : Linear output and no temperature compensation ; Maintain long term stability with minimum zero drift

BAFS5012 Mass Gas Flow Sensor

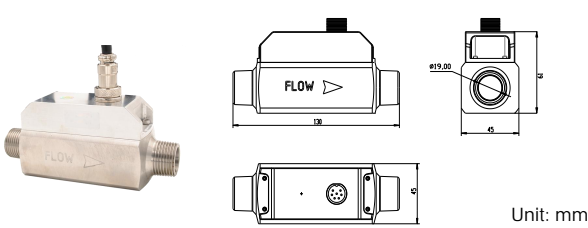


Unit: mm

Performance index

- Supply voltage : 8~24VDC , 50mA
- Temperature range : -25°C ~+85°C
- Flow range : 0~50/100/200/300/400 slpm
- Response time : 65ms
- Accuracy : 1.5%F.S
- Maximum pressure : 0.8MPa (customizable)
- Output signal : 1~5 V or I²C
- Interface : NPT1/2
- Advantage : Linear output and no temperature compensation ; Maintain long term stability with minimum zero drift

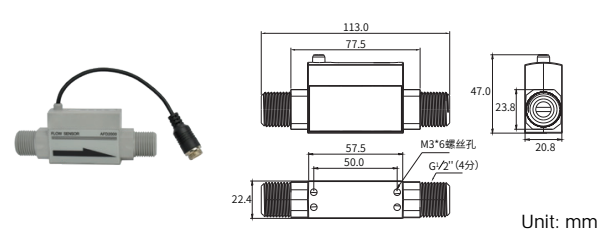
BAFS5019A Mass Gas Flow Sensor



Performance index

- Supply voltage : 8~24VDC , 50mA
- Temperature range : -25°C ~ +85°C
- Flow range : 0~300/500/600/800/1000 slpm
- Response time : 20ms
- Accuracy : ±1.5%FS
- Maximum pressure : 0.8MPa (customizable)
- Communication mode : I²C/RS485(MODBUS)
- Interface : G3/4 (customizable)
- Advantage : Linear output and no temperature compensation ; Maintain long term stability with minimum zero drift

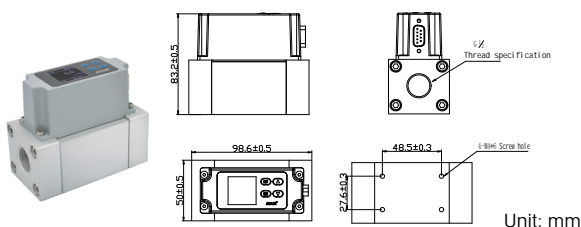
BFD2000 Liquid Flow Sensor



Performance index

- Supply voltage : 12V DC
- Temperature range : 5°C~70°C
- Flow range : 2.5 ~ 20L/min
- Response time : 1s
- Accuracy : ±3%RD
- Output signal : RS485
- Advantage : Small volume, easy to install and use; Full range high stability and excellent repeatability

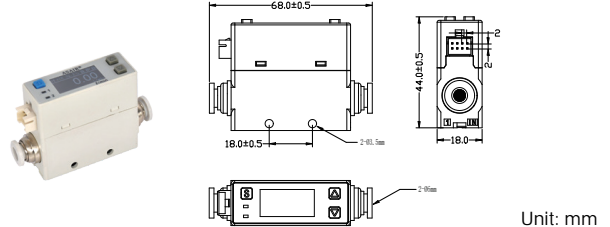
BMS1000 Mass Flowmeter



Performance index

- Supply voltage : 9~24V DC
- Measuring range : 0~200 / 0~20 / 0~2(L/min)
- Accuracy : ±4%RD (2 x < 50L/min) ±2%RD (50 x < 200L/min)
±4%RD (0.2 x < 5L/min) ±2%RD (5 x < 20L/min)
±4%RD (0.02 x < 0.5L/min) ±2%RD (0.5 x < 2L/min)
- Output mode : RS485, 2 NPN collector open circuit output, analog output (1~5V / 4~20mA, choose one of two)
- Advantage : Support a variety of gas measurement; Integrated mass flow and temperature measurement

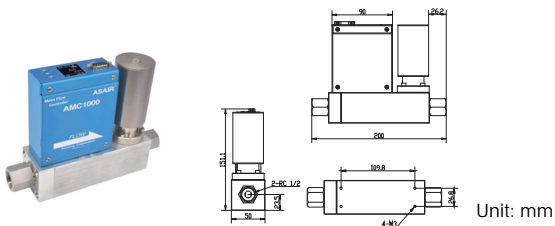
BFM0725 Mass Flowmeter



Performance index

- Supply voltage : 9 ~ 24V DC
- Measuring range : 0 ~ 25L/min
- Accuracy : ±3%F.S
- Temperature range : 0 ~ 50°C
- Communication mode : RS485
- Max working pressure : 0.8MPa
- LCD display
- Advantage : Integrated measurement of mass flow and temperature

BMC1000 Mass Flow Controller

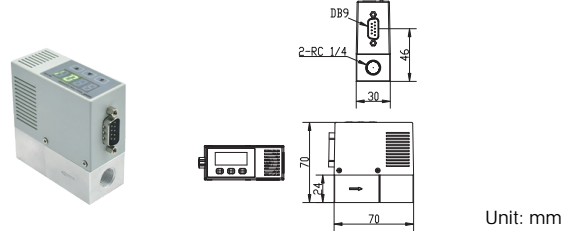


Unit: mm

Performance index

- Supply voltage : 24V DC
- Working current : < 400mA
- Typical power : 6.5W@24V
- Flow range : 0 ~ 200L/min
- Accuracy : $\pm 3\%FS$
- Communication mode : RS485 (Modbus-RTU)
- Measuring gas : Air, nitrogen, argon, carbon dioxide, helium, oxygen
- Advantage : Good repeatability, stable and reliable; LCD screen displays monitoring control

BMC2000 Mass Flow Controller



Unit: mm

Performance index

- Supply voltage : 24V DC
- Working current : < 120mA
- Typical power : 2W@24V
- Flow range : 0 ~ 100mL/min
- Accuracy : $\pm 3\%FS$
- Communication mode : RS485 / analog voltage
- Measuring gas : Air, nitrogen, argon, carbon dioxide, helium, oxygen
- Advantage : Mass flow and temperature integrated measurement monitoring control

DISCLAIMER

Warning

LIFE OR PROPERTY RISK

- Please ensure that this product has been designed as part of whole system and already considered related risks, make sure the product has the correct ratings and is designed based on the entire system. It must not be used when applications related to serious life or property damage risks.

Failure to follow this instruction can result in death or serious injury.

Warning

PERSONAL INJURY

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to follow this instruction can result in death or serious injury.

Warning

MISUSE OF DOCUMENTATION

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

Failure to follow this instruction can result in death or serious injury.

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Banning (Nanjing) Sensing Technology Co., Ltd.

Nanjing, Pukou District, Longtai Road, No. 16
Building C2, 3rd Floor

TEL : 400-7181-886

TEL : 025-5829 5589



WeChat



Invoice

Official Website : www.bnsens.com

Service Hotline : 400-7181-886

Official mailbox : sales@banningsensor.com

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