

QFM406

Thermal Gas Mass Flow Meter

Overview

Thermal gas mass flow meter is designed on the basis of thermal dispersion, and adopts method of constant differential temperature to measuring gas flow. It has advantages of small size, easy installation, high reliability and high accuracy, etc.



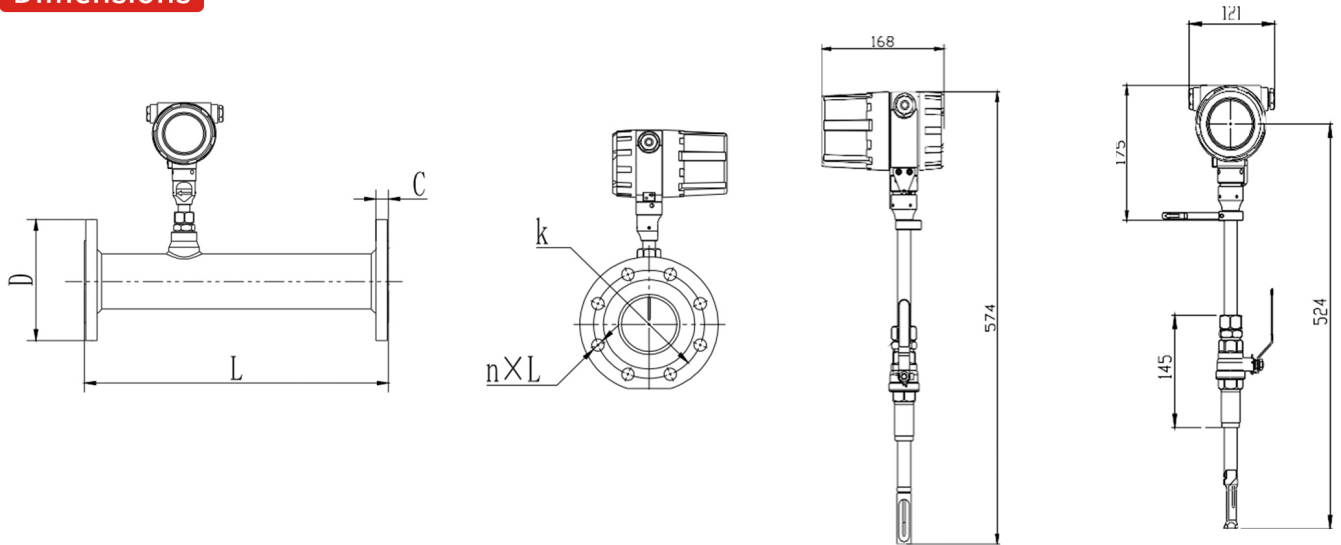
Features

- Measuring the mass flow or volume flow of gas
- Do not need to do temperature and pressure compensation in principle with accurate measurement and easy operation.
- Wide range: 0.5Nm/s~100Nm/s for gas. The meter also can be used for gas leak detection
- Good vibration resistance and long service life. No moving parts and pressure sensor in transducer, no vibration influence on the measurement accuracy.
- Easy installation and maintenance. If the conditions on site are permissible, the meter can achieve a
- hot-tapped installation and maintenance. (Special order of custom-made)
- Digital design, high accuracy and stability
- Configuring with RS485 or HART interface to realize factory automation and integration

Performance Parameter

Measuring Medium	Various gases (Except the acetylene)
Pipe Size	DN15~DN400mm
Velocity	0.1~100 Nm/s
Accuracy	±1.5~2.5%
Working Temperature	-40°C~+200°C
Working Pressure	Insertion Sensor: medium pressure ≤ 1.6MPa
	Flanged Sensor: medium pressure ≤ 1.6MPa
	Special pressure please contact us
Power Supply	24VDC or 220VAC
Response Time	1s
Output	4-20mA RS485 Pulse, HART
Alarm Output	1-2 line Relay, Normally Open state, 10A/220V/AC or 5A/30V/DC
Sensor Type	Standard Insertion, Hot-tapped Insertion and Flanged
Construction	Compact and Remote
Protection Class	IP65
Sensor Housing Material	Stainless steel (316)

Dimensions



Ordering Guide

QFM406	Thermal Gas Mass Flow Meter	
15	Code (Nominal Diameter XXX(mm))	
	15 (DN15)	80 (DN80)
	20 (DN20)	100 (DN100)
	25 (DN20)	125 (DN125)
	35 (DN25)	150 (DN150)
	40 (DN40)	200 (DN200)
	45 (DN45)	250 (DN250)
	50 (DN50)	300 (DN300)
	65 (DN65)	400 (DN400)
A	Code	Connection Type
	A	Flange connection type
	B	Plug-in connection type
C	Code	Pipe Material
	C	Carbon steel
	D	Stainless steel
	E	Plastic
F	Code	Structured Type
	F	Compact type
	G	Remote type
I	Code	Power Supply
	I	Compact type: 24VDC or 220VAC, Power consumption $\leq 18W$
	G	Remote type: 220VAC, Power consumption $\leq 19W$
K	Code	Normal Pressure (MPa)
	K	2.5MPa
	L	4MPa
M	Code	IP Code
	M	IP65
	N	IP67
	O	IP68
P	Code	Output Signal
	P	Pulse output
	Q	4-20mA
	R	HART
	S	RS485
U	Code	Explosion Type
	U	No explosion proof
	V	Explosion proof