

TGF200

Micro Flow Meter

VuFlow
metering technology



Description

TGF200 series micro flow meter measure dry air and nitrogen and other non-corrosive gas based on thermal mass flow measurement technology. It is designed to measure the mass and standard flow in small pipe lines in general industry and laboratory. Beside mass/standard flow, TGF200 can also measure temperature and pressure. User can use Modbus@RS485 to upload data to their system. TGF200 also support blue tooth communication, so users can read and set the meter on cellphone with COMATE APP.

Product Features

- 1) Thermal mass measuring technology, direct mass/standard flow measurement
- 2) Temperature and pressure measurement as option
- 3) 6 digit dual line LED screen
- 4) Low cost economical model.
- 5) Blue tooth for operating on cellphone
- 6) 1.5% reading + 0.3% full scale accuracy in 100:1 measurement range

Applications

- General Industry
- Laboratories
- Compressed Air consumption

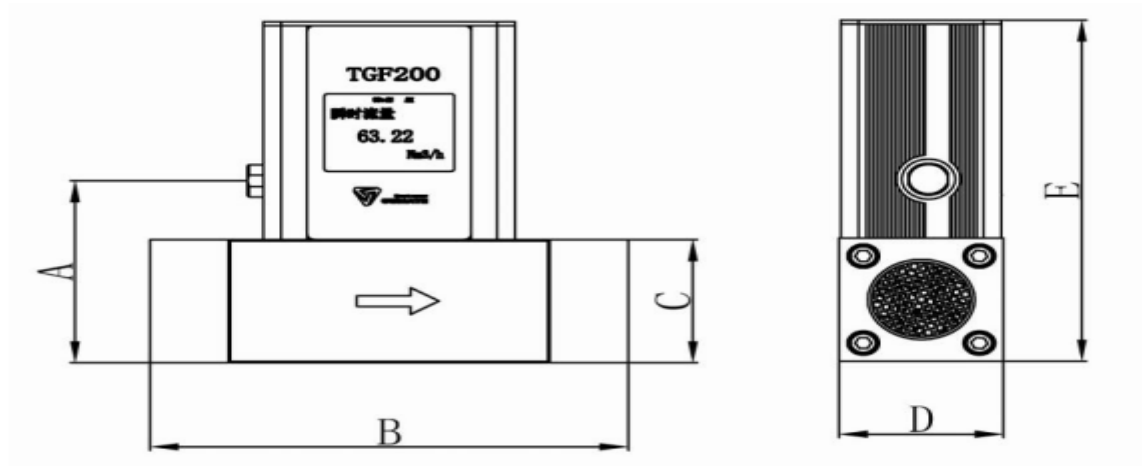
Gas Suitability

- Air
- Nitrogen
- Compressed Air
- Non Corrosive gases.
- Stainless Steel version also available

Media Compatibility	Air, Nitrogen and other non-corrosive fluid
Pipe diameter	8mm~25mm (1/4"~1")
Flow velocity range	0.3~30Nm/s or 0.6~60Nm/s or 0.9~90Nm/s
Accuracy	1.5% of reading+ 0.3% of full scale
Repeatability	0.3% of reading
Storage Temperature	-20~+50 ℃
Transportation Temperature	-30~60 ℃
Temperature of medium	-20~100 ℃
Pressure of medium	1.6 MPa
Power supply	10~35 VDC / 200 mA
Response time	160 millisecond
Output	Frequency
Communication	RS~485, Bluetooth
Date displayed	Mass flow, Volume flow in normal or standard condition Total flow and Velocity
Housing material	Aluminum alloy
Wet part material	Aluminum alloy (304SS optional)
Ingress protection grade	IP54

Model	Basic Model	TGF200-	2	A	F	A	G	1	1
Flow range	0.3~30 Nm/s		1						Optional
	0.6~60 Nm/s		2						Standard
	0.9~90 Nm/s		3						Optional
Wet part material	Aluminum			A					Standard
	304SS			4					Optional
Parameter	Flow, total flow , velocity				F				Standard
Output	frequency, RS485 , blue tooth					A			Standard
Process connection	G female thread						G		Standard
	NPT female thread						N		Optional
	BSP female thread						B		Optional
Pipe size	DN8 (1/4")							08	
	DN10 (3/8")							10	
	DN15 (1/2")							15	
	DN20 (3/4")							20	
	DN25 (1")							25	

Dimensions



Pipe size	A	B	C	D	E
8 mm	60	144	38	38	119.5
10 mm	60	144	38	38	119.5
15 mm	60	179	38	38	119.5
20 mm	68	230	46	46	127.5
25 mm	68	230	46	46	127.5

Unit in mm

Flow Ranges

Pipe size (mm)	Pipe size (inch)	Standard (0.3~30 Nm/s)		Standard (0.6~60 Nm/s)		Option 1 (0.9~90 Nm/s)		Option 2 (1.2~120 Nm/s)	
		Min (NL/min)	Max (NL/min)	Min (NL/min)	Max (NL/min)	Min (NL/min)	Max (NL/min)	Min (NL/min)	Max (NL/min)
8 mm	1/4"	0.9	90	1.8	180	2.7	270	3.6	360
10 mm	3/8"	1.4	140	2.8	280	4.2	420	5.6	560
15 mm	1/2"	3.2	320	6.4	640	9.5	950	12.7	1270
20 mm	3/4"	5.6	560	11.3	1130	16.9	1690	22.6	2260
25 mm	1"	8.8	880	17.7	1170	26.5	2650	35.3	3530