

## Bombay Instrument Mass Flow Products - Gas Flow Meter BMF570 Series



### BMF570 Series Portable Gas Flow Meter

#### The Products

**BMF570 Series mass flow meters** feature cost effective ultra low power operating on 4 AA batteries. The portable design has excellent exchangeable mechanical adaptors, easy data accessible and user programmable capabilities. The internal data storage can also help for many industrial on-site applications. The meters can be customized for various general purpose flow applications.



Mechanics



Food



Tobacco



Chemistry



Beverage



Glass



Agriculture



Research



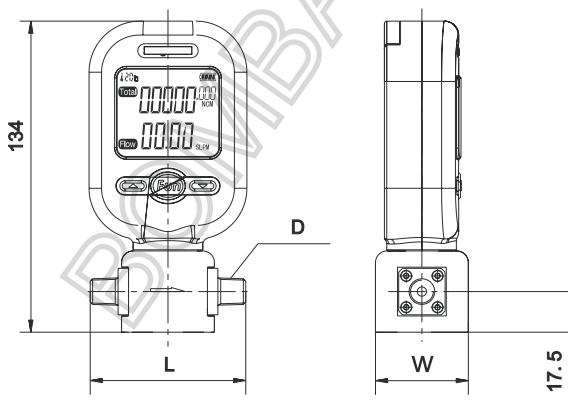
Pharmaceutics



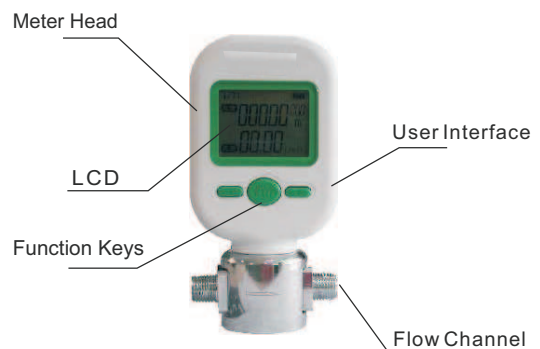
Instrumentation

#### Features

- ! Ultra low power by batteries or optional external AC adaptor
- ! Potable design with rotatable meter head and easy exchangeable mechanical adaptors
- ! Customizable flow range with over 30:1 turn-down
- ! RS485 Modbus protocol ready for networking
- ! User programmable range alarm for safety and other monitoring/control functionality
- ! Internal data storage for additional data safety
- ! Hygienic and oxygen safe copper body for various fluids



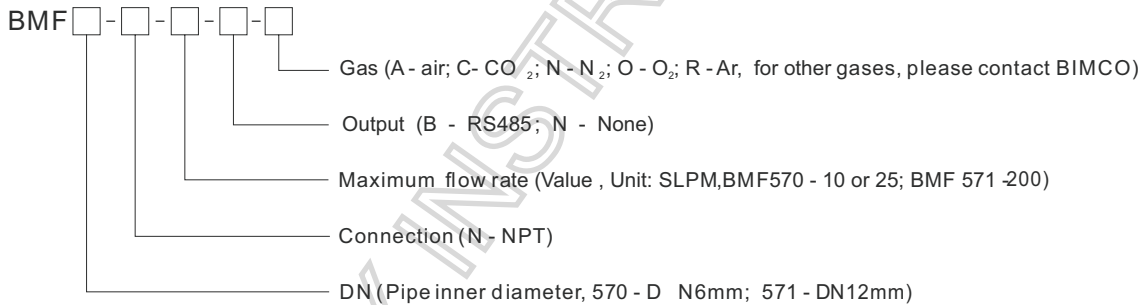
	L	W	D
BMF 570	67	40	NPT 1/4
BMF 571	98	50	NPT 1/2



## Specifications

		BMF 570	BMF 571	
Flow Range		0 ~ 10 , 25	0 ~ 200	SLPM
Turn-down ratio		30:1		
Accuracy		± (2.0+0.5FS)		%
Repeatability		0.5		%
Response Time		≤ 2		sec
Power Supply		4 AA batteries ( LR6 ) / 5 ~ 10 Vdc ( with 220 V ac adaptor)		
Output		RS 485 (Optional)		
Display		LCD		
Display Units		Instant flow rate: SLPM; Flow accumulation: NCM		
Display Resolution	Instant flow rate	0.01	0.1	SLPM
	Flow accumulation	0.001		NCM
Continuous Working time		> 60 days (with batteries)		
Max. Pressure		≤ 0.8		MPa
Working Temperature		-10 ~ +55		°C
Storage Temperature		-20 ~ +65		°C
Humidity		< 95%RH (No icing or condensation)		
Keyboard		3 keys		
User Interface		miniUSB		
Calibration		N <sub>2</sub> @ 20 °C, 101.325 kPa		
DN		6	12	mm
Mechanical Connection		NPT 1/4	NPT 1/2	
Weight		350		g

## Product Selection



Typical flow range:

Model	DN	Connection	Flow Range		
			SLPM	SCFM	NCMH
BMF570	6mm	1/4"	10	0.35	0.6
			25	0.88	1.5
BMF571	12mm	1/2"	200	7	12

**Manufactured & Marketed By :**

**M/S. Bombay Instrument Mfg. Co.**

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