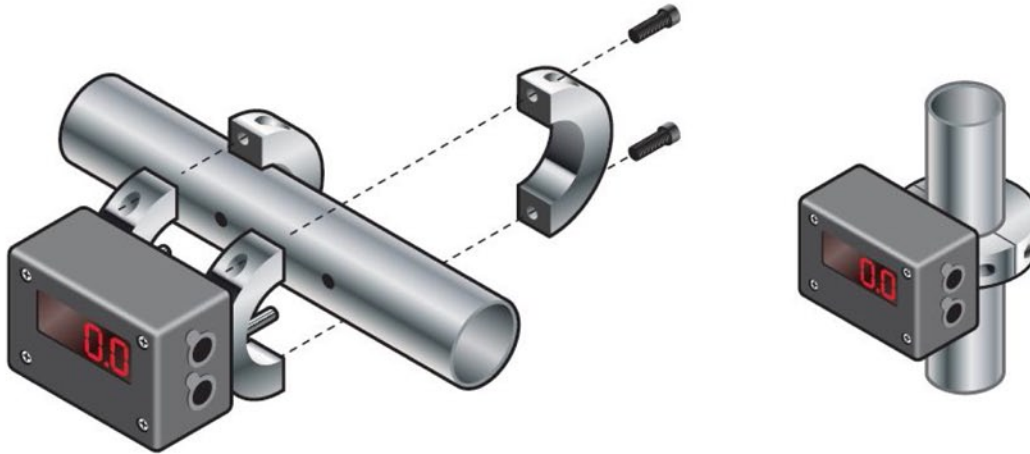




Flowmeter Overview



Bass Instruments FTMF series Thermal Mass Flowmeters, represent a radical departure from conventional designs. The meter clamps around the pipe with its flow-sensing probes projecting into the pipe through drilled holes. The low cost of the meters makes them ideal for installation throughout an air distribution system.

All of our flowmeters :

- measure mass flow via thermal dispersion
- are CE certified and RoHS compliant
- have built-in LED displays
- require no calibration

SPECIFICATIONS

Accuracy:

±3% of reading

Fluids:

Compressed air and Nitrogen

Operating pressure:

16 bar max.

Power Supply :

250 mA at 24V DC

Output and resistance:

4-20 mA, 600 Ohms max. and pulse

Materials exposed to measured fluid:

Stainless steel, gold, thermal epoxy and Viton (seal)

Ring material:

Aluminum

Display:

Four-digit LED display

Response time:

1 sec. to 63% of change in value at flows
above 30% of range

FLOW RANGES

STEEL SIZES, Sch 40 Steel			
Pipe Size	calibrated range (Nm ³ /hr)	mA full scale (Nm ³ /hr)	mA full scale (scfm)
1/2	1.6 - 143	158.3	100
3/4	1.6 - 190	237.5	150
1	3.2 - 253	317	200
1.25	3.2 - 237	317	200
1.5	3.2 - 317	475	300
2	6.3 - 633	950	600
2.5	7.9 - 791	1267	800
3	19 - 1900	1900	1200
4	31.7 - 3167	3167	2000
5	31.7 - 3958	4750	3000
6	79.2 - 7916	7916	5000
8	158.3 - 9499	9499	6000

Calibrated Ranges and mA Scaling of Flowmeters

Nm³/hr scaling, DIN 1343 basis





Ordering

FTMF.			Description
Pipe Size	05S		1/2"
	07S		3/4"
	10S		1"
	12S		1 1/4"
	15S		1 1/2"
	20S		2"
	25S		2 1/2" (DN65)
	30S		3" (DN80)
	40S		4" (DN100)
	50S		5" (DN125)
	60S		6" (DN150)
	80S		8" (DN200)
Output	P1		mA and pulse output
	P2		RS-485 MODBUS
	P3		No output (only display for 1/2", 3/4" and 1") low cost solution
Flow Units	M3H		Nm3/h.
	M3M		Nm3/min.
	SCFM		Sft3/min.



Double Ring
(1/2"1 1/2")



Single Ring
(2" ...8")

