

MISFLOW - THERMAL MASS COMPACT METER

Flowmeter for compressed air and neutral gases non-corrosive: oxygen, nitrogen, helium and CO₂. Consists of a thin film sensor that provides excellent performance with stable and precise measurements in wide dynamic range.

The electronic signal conditioning is housed in an aluminum case mounted directly on the sensor. Brass body, with ball valve shut-off, for safe removal of the sensor hot during plant operation.

Output: 1x 4/20 mA analog for the flow rate, 1 x pulse for totalized flow.

Compact version from 1/2 to 2". Low configuration: velocity 0.5 ... 100 Nm/s, High configuration: velocity 0.5...200 Nm/s



TECHNICAL SPECIFICATIONS

Accuracy:	+/- 2.5% measured value +0.15% f.s.
Temperature compensation:	+/- 0.1% v.m./°C
Response time:	1 second
Sampling time:	0.1 s
Temperature:	-20...+80°C - +/- 0.7 °C
Nominal pressure:	max 16 bar
Umidity:	95%UR non condensante
Materials:	corpo custodia AISI3Cu, sonda acciaio inox, sensore resina PBT valvola a sfera ottone
Analog output:	0...10V max 1 mA, 0-20 / 4/20 mA RI max 500 Ohm
Electromagnetic compatibility:	EN61326-1, EN61326-2-3
Dimensions:	electronic housing 146x60H56 mm
Class protection:	IP65 / NEMA 4
Electric connection:	M16x1,5 glad

Range	Low Nmc/h	High Nmc/h
DN 15	0.32...63	0.32...126
DN 20	0.57...113	0.57...226
DN 25	0.90...176	0.90...352
DN 32	1.45...289	1.45...578
DN 40	2.26...452	2.26...904
DN 50	3.50...700	3.50...1400

ND	thread *	L Dima
DN15	1/2	83,70
DN20	3/4	72,70
DN25	1"	88,00
DN32	1"1/4	100,00
DN40	1"1/2	110,00
DN50	2"	131,00

* thread BSP EN 10226



SATEMA

13856 VIGLIANO B.SE - Via Milano, 395

Tel. +39 015811102 - Fax 0158853029

Mail: info@satema.it <http://www.satema.it>