

## ACADI - COMPRESSED AIR MASS FLOW METER

Innovative, compact device measuring flowrate in compressed air or nitrogen by to the heat dispersion principle. The cooling effect, due to fluid streaming, is directly proportional to the mass of fluid flowing.

ACADI runs with 4-digit LED display on board. It no requires calibration as just calibrated and set up in laboratory. Assembled with appropriate small tips probe for each specific pipe diameter from 1/2 " to 6" size.

Simple and quick installation: 15 minutes max only, are sufficient to drill 2 holes 4.75 mm. (3/16-inch) and to allow the insertion of probes into the pipe and coupling of the block - meter around the tube.

Among the accessories provided: driving and drilling screws with hexagon recessed. No cutting or thread of the tube and / or welding to be carried out. No moving parts, no maintenance.



ACADI 1/2 " ... 2" - double ring

Diameter steel pipe SCH.40	Calibration scale			
	@20°C		DIN 1343	
	Nm3/min	Nm3/h	Nm3/min	Nm3/h
1/2"	0.01...0.8	0.7...50	0.01...0.8	0.6...45
3/4"	0.02...1.1	1.0...70	0.02...1.1	1.0...60
1"	0.03...2.3	1.7...130	0.03...2.1	1.6...120
1"1/4	0.06...4.2	3...250	0.05...4.0	3...240
1"1/2	0.06...5.7	3...300	0.05...5.3	3...300
2"	0.1...10	5...600	0.13...9.2	5...550
2"1/2	0.14...14	8...850	0.13...13	8...800
3"	0.2...20	12...1200	0.2...18	11...1100
4"	0.4...34	25...2000	0.4...31	24...1900
5"	0.6...45	30...2700	0.5...42	30...2500
6"	0.6...57	30...3400	0.5...53	30...3100

Versions for copper and aluminum pipes

For special calibrations, contact SATEMA



## TECHNICAL SPECIFICATIONS

Flowrate: Nm<sup>3</sup>/1', Nm<sup>3</sup>/h at 20°C - Nm<sup>3</sup>/1' and Nm<sup>3</sup>/h DIN 1343 - scfm  
 Pressure: 14 bar max  
 Accuracy: +/- 3% with straight sections, 12D upstream and 5D downstream  
 +/- 5% +1% f.s. without straight sections  
 improved for reduced predetermined range  
 Temperature: 4...50°C  
 Output: mA and pulse. RS485 optional, resistance 400 Ohm max  
 Power supply: 18...24 Vdc, 250 mA

OPTIONS:



Sealing rings for removal meter



Sonic nozzle for verification flow meters and compressor



Remote totalization display



Remote average flow display



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