

FM Series Laboratory Flowmeters



- Robust metal/plastic construction
- Sintered inlet filter
- Serviceable
- Assembled in Australia

Applications:

- For general use in non-corrosive gas applications
- Supply regulator for reticulation systems

Gascon Systems produce a range of laboratory flowmeters which are intended for use with non-corrosive gases. They are constructed of nickel-plated brass and polycarbonate which makes them very robust and able to handle rough treatment. The horizontal inlet and vertically downwards outlet make them ideal for connecting to pressure regulators or laboratory wall outlets. These flowmeters are a cost-effective alternative to traditional glass tube models.

There are three flow ranges, low, medium and high flow. The flowmeters are calibrated at atmospheric pressure and thus do not require a specific inlet to be accurate. A range of standard scales are available for commonly used gases (refer separate sheet). Scales for other gases or gases mixtures can be produced on request. The standard outlet is 1/4" BSP and comes with a plastic hose barb nipple. A range of outlet adaptors are available to suit individual specific needs.

Specifications:

Flow Calibrated at:	101.3 kPa abs @ 20°
Max. Inlet Pressure:	800 kPa
Accuracy:	± 7.5% of full scale (FM1) ± 5% of full scale (FM2 & FM3)
Inlet Connection:	as per ordering information
Outlet connections:	1/4" BSP with plastic hose barb nipple (a range of outlet adaptors are available)
Scales Length:	80mm approx.
Weight:	0.3 kg

Materials:

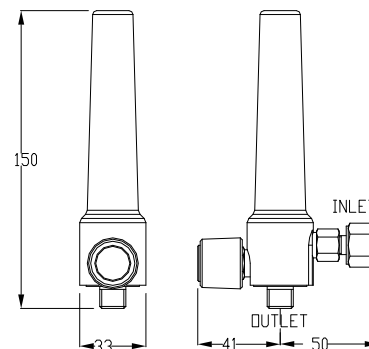
Body:	Nickel plated brass
Shroud:	Polycarbonate
Flowtube:	Polycarbonate
Float:	Stainless steel or polypropylene
Seals:	Nitrile

ORDERING INFORMATION FMX - XXX - XXX - XXX - XXXX

Model	Gas	Inlet Fitting	Outlet Fitting
FM1 Laboratory Flowmeter low flow range	AIR Air AR Argon	2F 1/8" NPT female #1 2M 1/8" NPT male	BLANK 1/4"BSP with barbed nipple 2S 1/8" tube compression
FM2 Laboratory Flowmeter medium flow range	CO2 Carbon Dioxide CO Carbon Monoxide	4M 1/4" NPT male 4STA 1/4" tube stem	4S 1/4" tube compression 4PF 4mm push fit tube
FM3 Laboratory Flowmeter high flow range	HE Helium H2 Hydrogen CH4 Methane N2 Nitrogen N2O Nitrous Oxide OXY Oxygen Others by Description	14BSP 1/4" BSP nut/nipple 58R 5/8"-18UN RH nut/nipple 58L 5/8"-18UN LH nut/nipple Others by Description	6PF 6mm push fit tube 8PF 8mm push fit tube Luer LuerLok fitting Others by Description

Ordering examples

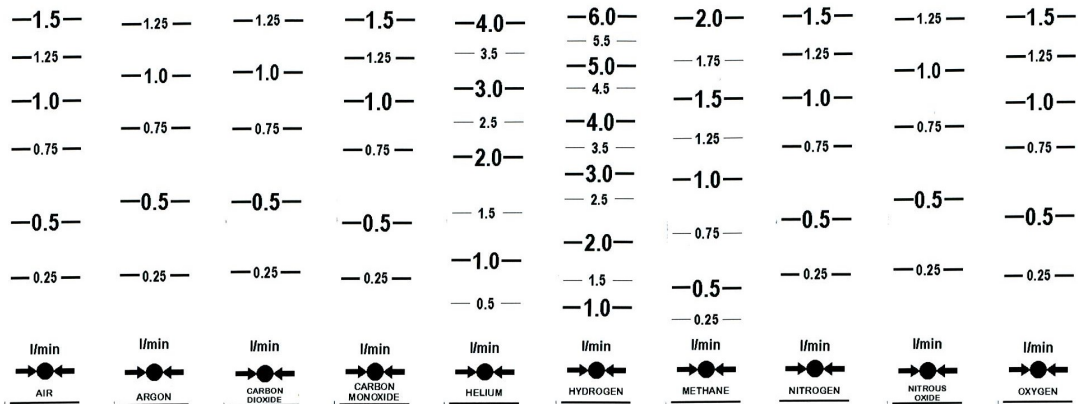
FM2-CO2-14BSP Flowmeter for carbon dioxide with a scale range of 0.5 – 5 l/min with a 1/4"BSP inlet nut/nipple connection and standard outlet fitting



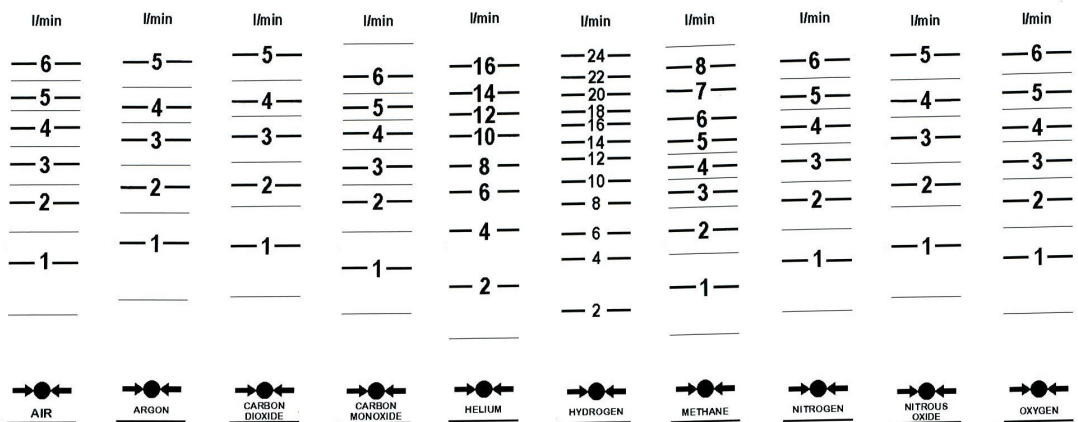
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SYSTEMS

Basic Dimensions

FM1 Low Flow Flowmeter Scales



FM2 Medium Flow Flowmeter Scales



FM3 High Flow Flowmeter Scales

