

EM FLOW METER

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EM DATASHEET



INDUSTRIAL flow meter

For reliable measurement and monitoring of medium sized flows of liquids and gases.

APPLICATIONS

- Sealing and cooling water measurement
- Lubrication oil measurement
- Mixing of gases

FEATURES

- Solid construction, impact resistant flow tube
- With or without flow control valve
- Alarm ready
- Easy to install & maintain
- Large selection of flow ranges

EM FLOW METER

SPECIFICATIONS

MODEL	EM-A	EM-D	EM-S
BODY MATERIAL	ALUMINUM	DELRIN® (POM)	SS316
Metering tube	Grilamid® TR 55 or Polysulphone PSU	Grilamid® TR 55 or Polysulphone PSU	Grilamid® TR 55 or Polysulphone PSU
Float material(s)	SS316 / Delrin®	SS316 / Delrin®	SS316 / Delrin®
O-ring seals	Nitrile (Viton® or EPDM optional)	Nitrile (Viton® or EPDM optional)	Nitrile (Viton® or EPDM optional)
Maximum pressure	440 psi	290 psi	440 psi
Maximum temperature			
Grilamid® tube	176°F / 80°C	176°F / 80°C	176°F / 80°C
Polysulphone PSU tube	248°F / 120°C	248°F / 120°C	248°F / 120°C
Connections	1/2" NPT	1/2" NPT	1/2" NPT
Weight	1.7 lb (0.75 kg)	2.1 lb (0.95 kg)	4.4 lb (2.0 kg)
Build options	Removable flow marker included, calibration for non-standard liquids & gases		
Optional accessories	Inductive adjustable alarm, pressure gauge (with optional red set pointer), pair with constant flow regulator model EFR14		

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EM

END BLOCK MATERIAL	Aluminum	A
	Delrin® (POM)	D
	Kynar® (PVDF)	K
	SS316	S

FLOW RANGE	WATER		AIR		
	GPM	LPM	SCFM	NLPM	
0.55	2	3	75	A	
0.9	3.25	5	130	B	
1.4	5.5	7	180	C	
2.4	9	11	280	D	
2.6	10	12	325	E	
4.5	17	20	500	F	
6	22	26	650	G	
8	30	35	900	H	

SCALE	Water GPM	1
	Air SCFM (14.7 psia @ 68°F)	2
	Dual Scale GPM / SCFM	3
	Water LPM	4
	Air NLPM (101.3 kPa @ 20°C)	5
	Dual Scale LPM / NLPM	6
	Relative Scale (1-10)	R

OPTIONS	PES/PSU flow tube	P
	Viton® O-ring seals	V
	EPDM O-ring seals	E

HOW TO SPECIFY MODEL NUMBER, an EXAMPLE:

EM meter for water flow, built with SS end blocks and Viton® O-ring seals:

- 1. Select **S** end block material SS316 **EM-S**
- 2. Specify flow range **B** 0.9 GPM **EM-SB**
- 3. Choose scale type **1** for water **EM-SB1**
- 4. Add build option **V** Viton® O-rings **EM-SB1-V**

SPECIAL ORDER CONSTRUCTION use order code **EM-EXXXX**

A unique manufacturing number will be assigned at the time of production (eg. EMO-E7345)
Contact us for details.



BODY MATERIALS



PRESSURE GAUGE



ALARM



FLOW TUBE