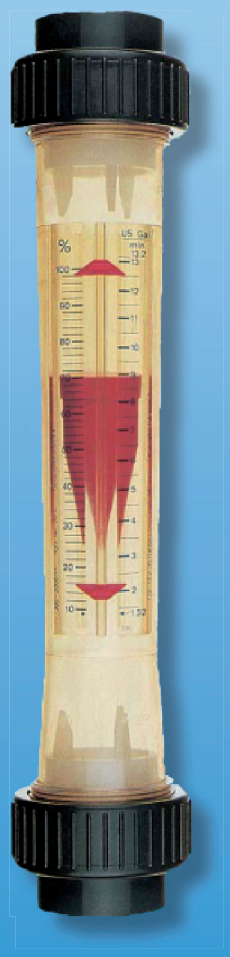
Plastic Flowmeter and Switch

for Liquids and Gases

measuring • monitoring • analyzing

KSM



- ±4% Full Scale Accuracy
- Shock and Corrosion Resistent
- Maximum Pressure: 145 PSI
- Direct and Relative (%) Reading Scales for Water and Air
- Highly Visible Float and Adjustable Switch Available
- Large Easy-To-Read Scale

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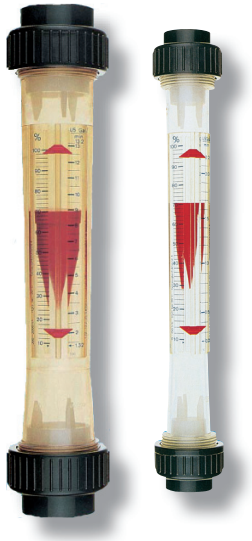

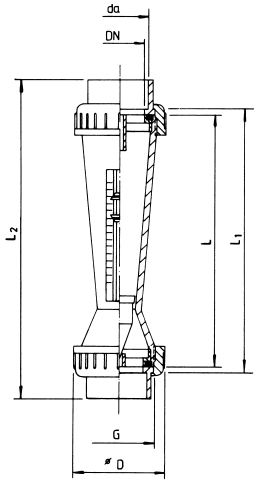

Description

The KSM series plastic flowmeters are an excellent choice for applications measuring aggressive media. There are no metal parts in contact with the fluid. The measuring tubes are Trogamid-T® or Polysulfone, with other wetted parts made of PVDF, PVC and EPDM. The standard flow meters are equipped with a scale for water or air and a percentage scale. It has two adjustable markers, a rail for accessory switces, and a PVC glue or NPT connection with capnut. A Polysulfone measuring tube is available for very corrosive media and a Trogamid-T® tube is available for less aggressive media. Both options are rugged and shock resistant.

Specifications

Accuracy:	±4% full scale
Flow Media:	Liquids and gases
Mounting:	Vertical, media flow bottom to top
Max. Temperature:	140°F
Max. Pressure:	145 PSI
Materials:	
Measuring Tube:	Trogamid® or Polysulfone
Float:	PVDF
Float Stops:	PVDF
Fittings:	PVC Glue Socket (standard) Threaded PVC & PP (optional)
O-Rings:	EPDM (others upon request)
Guide Rod:	PVDF clad SS (KSM-xx01 only)
Switch:	Reed-contact, N/O bi-stable Max. 230 VAC, max. 10W/ 12 VA, max. 0.5 A

Dimensions (inches):

da	L	L1	L2	D
1	13.2	13.4	15.2	2.36
1	13.2	13.4	15.2	2.36
1	13.2	13.4	15.2	2.36
1.5	13.2	13.4	15.9	3.27
1.5	13.2	13.4	15.9	3.27
2	13.2	13.4	16.4	4.06
2	13.2	13.4	16.4	4.06
2.5	13.2	13.5	18.0	4.80
2.5	13.2	13.5	18.0	4.80
2.5	13.2	13.5	18.0	4.80

Order Details (Example: **KSM-4005L**):

Range Water [GPM]	Nominal Size [Inch]	Press. Drop Max. [PSI]	Float Material	Flowmeter with Water and % Scale		Flowmeter and Switch with Water and % Scale		Options
				Trogamid®	Polysulfone	Trogamid®	Polysulfone	Range air [SCFM] suffix L
0.06 - 0.66	1	0.26	PVDF	**KSM-3001**	**KSM-4001**	**KSM-5001**	**KSM-6001**	0.5 - 3
0.22 - 2.2	1	0.26	PVDF	**KSM-3005**	**KSM-4005**	**KSM-5005**	**KSM-6005**	1.5 - 10
0.44 - 4.4	1	0.26	PVDF	**KSM-3010**	**KSM-4010**	**KSM-5010**	**KSM-6010**	3 - 20
0.88 - 8.8	1-1/2	0.36	PVDF	**KSM-3020**	**KSM-4020**	**KSM-5020**	**KSM-6020**	5 - 40
1.32 - 13.2	1-1/2	0.36	PVDF	**KSM-3030**	**KSM-4030**	**KSM-5030**	**KSM-6030**	8 - 56
2.64 - 26.4	2	0.36	PVDF	**KSM-3060**	**KSM-4060**	**KSM-5060**	**KSM-6060**	14 - 114
5.28 - 52.8	2	0.36	PVDF	**KSM-3120**	**KSM-4120**	**KSM-5120**	**KSM-6120**	25 - 220
8.8 - 88	2-1/2	0.36	PVDF	**KSM-3201**	**KSM-4201**	**KSM-5201**	**KSM-6201**	40 - 290
13.2 - 132	2-1/2	0.36	PVDF	**KSM-3301**	**KSM-4301**	**KSM-5301**	**KSM-6301**	50 - 400
35 - 264	2-1/2	0.48	PVDF	**KSM-3601**	**KSM-4601**	**KSM-5601**	**KSM-6601**	-

Add suffix **T** for female NPT fittings
Add suffix **R** for extra switch, models **KSM-5...** & **KSM-6...** only
Add suffix **PT** for polypropylene threaded fittings

No responsibility taken for errors;
subject to change without prior notice.