

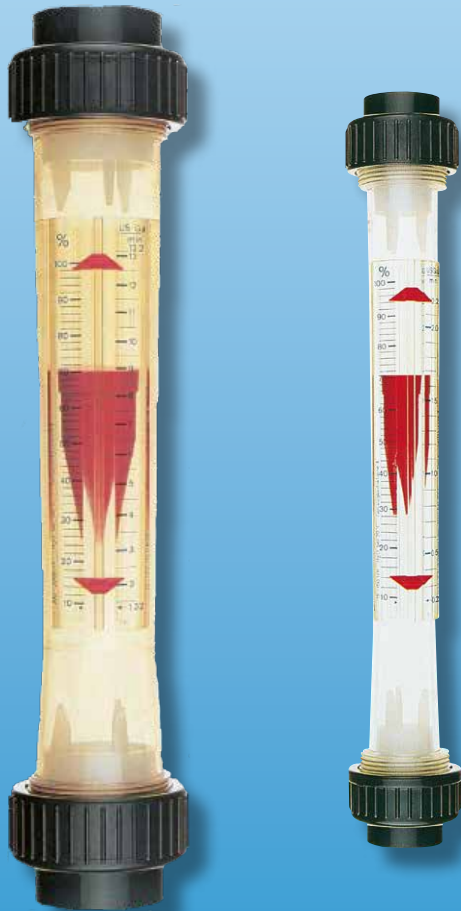
Plastic Flowmeter and Switch

for Liquids and Gases



measuring
•
monitoring
•
analyzing

KSM



- $\pm 4\%$ Full Scale Accuracy
- Shock and Corrosion Resistant
- 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



KOBOLD companies worldwide:

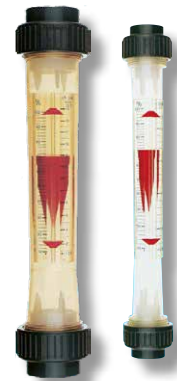
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Description

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 switches, 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 (2-1/2" models only)

Reed Contact Option

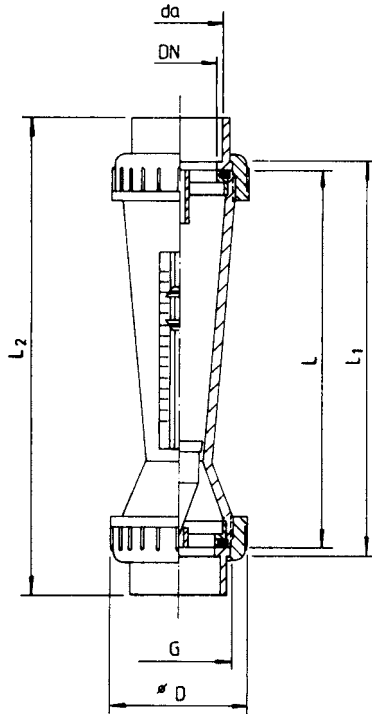
Type: Bistable Reed Contact N/O with Increasing Flow
Ambient Temp. Range: 32...130 °F
Max. Power: 230 V_{AC}, 10W/12VA 0.5A
Protection: IP 65
Retrofitting: To retrofit an instrument with a contact, the float must be replaced with a float with an integral magnet

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

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