

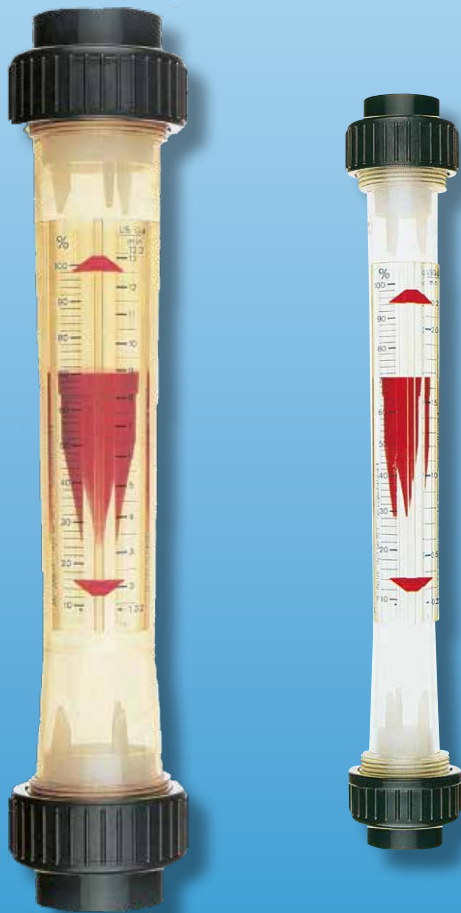
Plastic Flowmeter and Switch

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:

Order from: **C A Briggs Company**

622 Mary Street; Suite 101; Warminster, PA 18974

Phone: 267-673-8117 - Fax: 267-673-8118

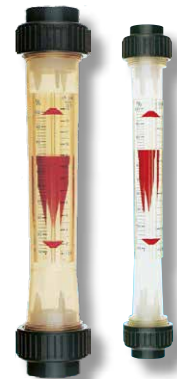
Sales@cabriggs.com - www.cabriggs.com

KOBOLD Instruments, Inc.
1801 Parkway View Drive
Pittsburgh, PA 15205



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

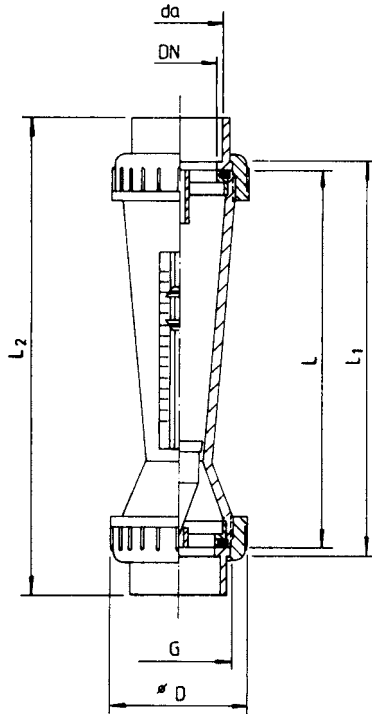
Type: Bistable Reed Contact N/O with Increasing Flow
Ambient Temp. Range: 32...130 °F
Max. Power: 230 V_{AC}, 10W/12VA 0.5A
Protection: IP 65
Retrofitting: To retrofit an instrument with a contact, the float must be replaced with a float with an integral magnet

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