

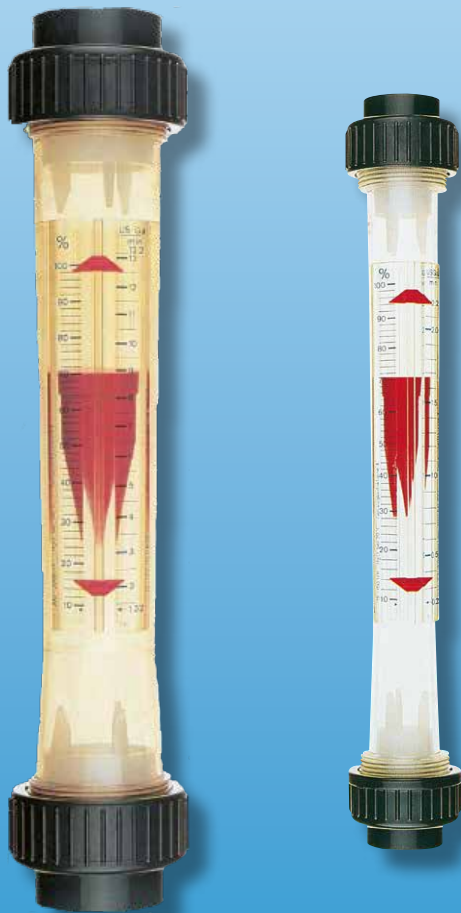
# Plastic Flowmeter and Switch

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:

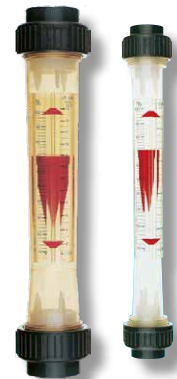
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**Description**

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 (optional)  
**O-Rings:** EPDM (others upon request)  
**Guide Rod:** PVDF clad SS (2-1/2" models only)

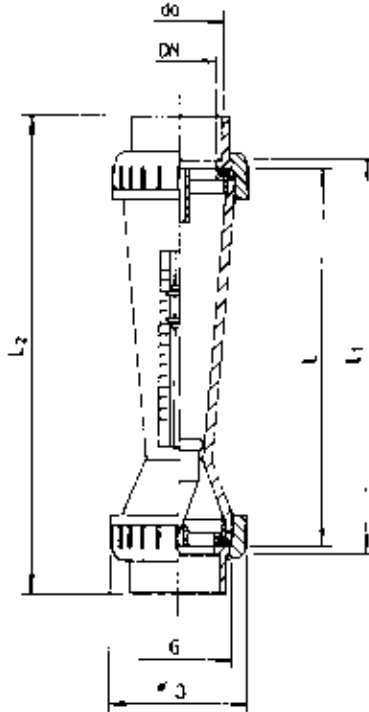
**Reed Contact Option Type:** Bistable Reed Contact N/O with Increasing Flow  
**Ambient Temp. Range:** 32...130 °F  
**Max. Power:** 230 V<sub>AC</sub>, 10W/12VA 0.5A  
**Protection:** IP 65  
**Retrofitting:** To retrofit an instrument with a contact, the float must be replaced with a float with an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

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