

VARIABLE AREA FLOWMETERS



Description

Teksens TPR series flowmeters operate according to the variable area principle where a float is suspended in upward flowing media in a tapered plastic tube.

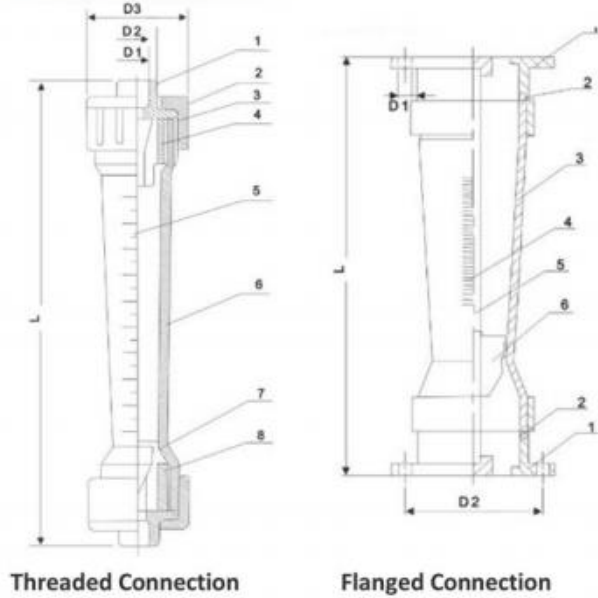
The vertical position of the float within the metering tube depends on the flowrate of the media. The metering tube is graduated in suitable flow units (normally with 10:1 flow range) and the reading is taken in correspondence with the top edge of the float.



Flow Range and Specifications

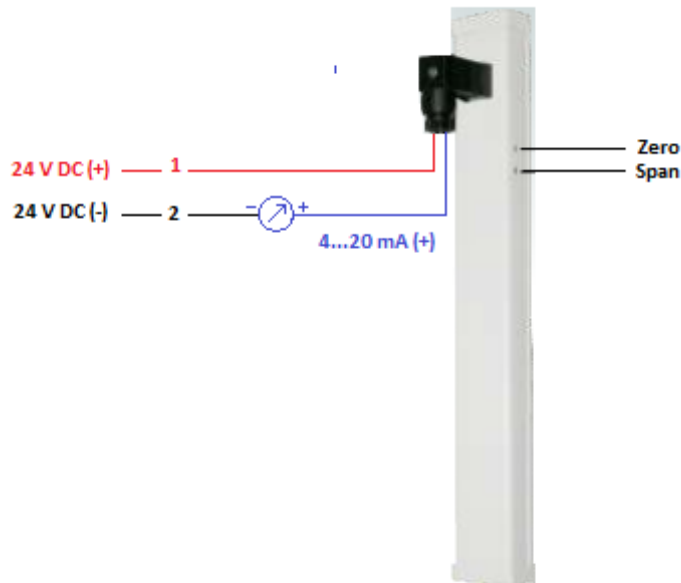
DN	Measuring Range (m³/h)		Accuracy	Process Limits		Materials
	Long Tube	Short Tube		Temperature (°C)	Pressure (bar)	
15	10-100l/h 16-160l/h 25-250l/h 40-400l/h 50-500l/h 60-600l/h	5-50l/h 10-100l/h 16-160l/h 25-250l/h 40-400l/h 50-500l/h 60-600l/h 100-1000l/h	<±4%	0-60	< = 6	Flow Tube : AS Connection : ABS Float : ABS Orings : Rubber Guider : AISI304
25	100-1000 l/h 160-1600 l/h 250-2500 l/h	100-1000 l/h 160-1600 l/h 250-2500 l/h				
32		0,4 – 4 0,6 – 6				
50	0,4 – 4 0,6 – 6 1 – 10 1,6 – 16	1 – 10 1,6 – 16				
65		5 – 25 8 – 40 12 – 60				
100		18 – 120 *				

Overall Dimensions



Size	Dimensions (mm)							
	Long Tube				Short Tube			
	L	D1	D2	D3	L	D1	D2	D3
15	280	20	26	45	202	20	26	45
25	380	32	39	68	226	32	39	60
32					288	40	49,5	74
50	430	63	73	98	341	63	73	98
65					430	75	88	122
100	550	17	175		510	18	180	

Analog Module



Technical Specifications

Body	Plastic
Power Supply	24 VDC
Output	4 ... 20 Ma
Temperature	Max. 70 °C
Enclosure	IP 65

Ordering

TPR							Description	
Size	15						DN15	
	25						DN25	
	32						DN32	
	50						DN50	
	65						DN65	
	100						DN100 (only flanged)	
Connection		SG					Solvent welding	
		DB					Threaded Connection	
Output		NN						
		1R	One relay output					
		2R	Two relay output					
Tube				S				Short Tube
				L				Long Tube
Flow Range								Please fill out directly. e.g. 1000L means 100-1000 l/h 004M means 0,4-4 m3/h