

# Variable Area Flowmeter Product Portfolio



**Sho-Rate™**  
Glass Tube Meter



**GT1600**  
Glass Tube Meter



**MT3750**  
Metal Tube Meter



**MT3809**  
Metal Tube Meter

■ = Standard Option Available

		Sho-Rate™ Glass Tube Meter	GT1600 Glass Tube Meter	MT3750 Metal Tube Meter	MT3809 Metal Tube Meter	
Full Scale flow Air Values based on reference conditions of 70°F 1 atm at STP	1,200,000					45,000
	73,000					2,500
	22,000	■	■		■	810
	3,400	■	■	■	■	120
	46	■	■	■	■	1.62
	16	■	■	■	■	0.57
	6.7	■	■	■	■	0.24
	3	■				0.11
Full Scale flow H <sub>2</sub> O	100,000					27,000
	4,900					1,300
	1,000	■	■		■	280
	100	■	■	■	■	27
	0.96	■	■	■	■	0.25
	0.11	■	■	■	■	0.03
Operating Pressure	430.9					6,250
	275.8					4,000
	34.5		■	■	■	500
	13.8	■	■	■	■	200
	0	■				0
Operating Temperature	420					788
	204					400
	121	■	■	■	■	250
	1	■	■	■	■	33
	-50	■	■	■	■	-58
	-198	■				-325
Accuracy	10%	■	■	■	■	
	5%	■	■	■	■	
	3%	■	■	■	■	
	2%		■	■	■	
	1%		■	■	■	
	6 VDI/VDE FS				■	3810 Only
	4 VDI/VDE FS			■	■	
	2.5 VDI/VDE FS		■	■	■	
1.6 VDI/VDE FS		■	■	■		
Repeatability	1% FS				■	ELF Only
	0.5% FS	■	■	■	■	
	0.25% FS	■	■	■	■	
Connection Types (Select Sizes)	Flange		■	■	■	
	Flange - Elbow		■	■	■	
	NPT (f)	■	■	■	■	
	NPT (m)		■	■	■	
	RC (f)	■	■	■	■	
	Integral Thread	■	■	■	■	
	VCR	■	■	■	■	
	Compression	■	■	■	■	
Hose	■	■	■	■		

More specific information on product offerings can be found on each product datasheet. Special device configurations outside of the standard product offering are available. Please consult your local sales representative for more information.



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Wetted Materials	Connection Materials / End Blocks	Stainless Steel	316	316/316L	316L	316/316L
		Brass				
		Aluminum				
		Monel® K500				
		Inconel 625				
		Hastelloy® C276				
	Tube	Borosilicate Glass				
		Stainless Steel			316L	316/316L
		Monel® K500				ELF only
		Inconel 625				
		Hastelloy® C276				
		Titanium Gr. II				
	Float	Tefzel® Lined Stainless Steel				TFE Only
		Glass				
		Stainless Steel	316	316/316L	316L	316L (Non TFE Meter)
		Sapphire				
		Carboloy®				
		Tantalum				
		Titanium Gr. II				
		Monel® K500				ELF Only
	Float Stops	Inconel 625				
		Hastelloy® C276				
		Titanium Gr. II				
		PVDF				
		Stainless Steel	316		316L	316L
		Teflon®				
	Elastomers	Monel® K500				
		Buna		O-Rings	O-Rings	O-Rings
		Viton®				O-Rings
		EPM/EPR/EDPM				O-Rings
		Kalrez®				O-Rings
		None			Welded	Non ELF Meter
Electronics & Alarms	Neoprene					
	Teflon®			O-Rings	O-Rings	
	Inductive Sensor(s) / Switch(es)					
	Inductive Sensor(s) / Switch(es) with Relay Options					
	Reed Switch(es)					
	MAT Transmitter					
Certificates & Approvals	HART Transmitter					
	Foundation Fieldbus					
	International Agency Approvals					
	SIL2 for Alarm Options					
	Calibration Certificates					
	Material Certificates					
Testing Certificates						
Cleaning Certificates						
Valve Available						
Flow Controller Available						