

TSM-200 Series



제품 설명 | Digital 제어회로로 구성되어 응답특성 및 정확도가 우수하여 정밀한 유량 측정이 필요한 공정에 적합한 제품입니다.

- RS-485 통신 (옵션)
- 실시간 측정 및 적산 기능
- 빠른 응답성 및 높은 정확도

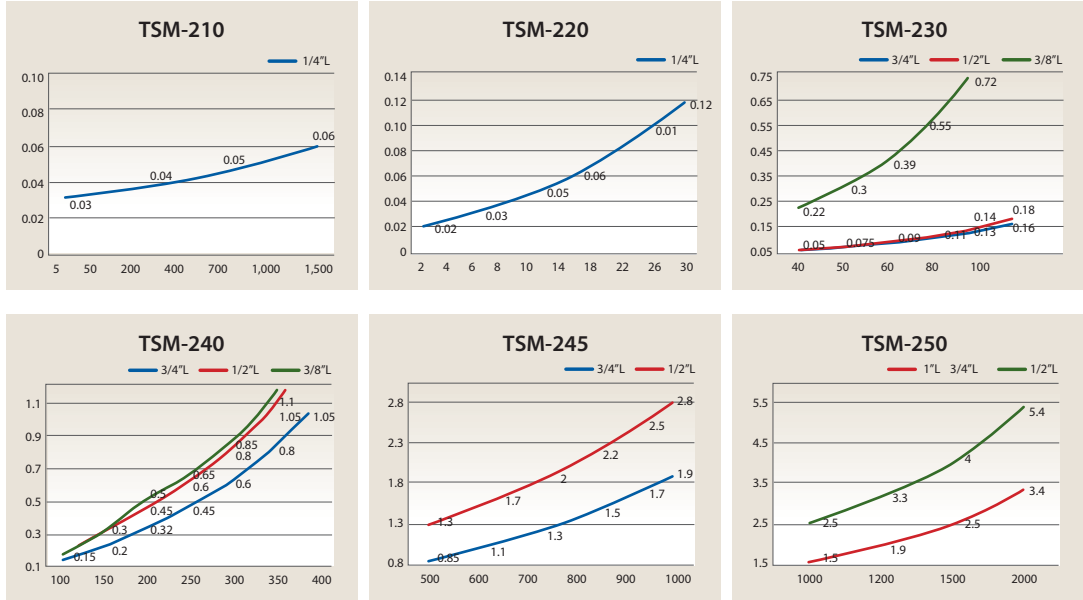
제품 사양

Model	TSM-200	TSM-210	TSM-220	TSM-230	TSM-240	TSM-245	TSM-250
Flow Range (N ₂ Equivalent)	0~5 sccm	5~1,500 sccm	1.5~30 slm	30~100 slm	100~400 slm	400~1,000 slm	1,000~2,000 slm
Flow Rate Measuring Range	0~100 % of Full Scale						
Accuracy	≤ ± 1.0 % of Full Scale (25~100 % of Full scale) ≤ ± 0.25 % of Full Scale (2~25 % of Full Scale)			≤ ± 2.0 % of Full Scale (25~100 % of Full Scale) ≤ ± 0.5 % of Full Scale (2~25 % of Full Scale)			
Response Time	≤ 1 sec						
Linearity	≤ ± 0.2 % of Full Scale			≤ ± 0.5 % of Full Scale			
Repeatability	≤ ± 0.2 % of Full Scale			≤ ± 0.3 % of Full Scale			
Seal type	Elastomer (Silicon, Viton®, Viton-ETP®, Kalrez®, etc.)						
Option	RS-485 Accumulation or Display						
Signal type	Analog Mode : 0~5VDC or 4~20mA						
Power Supply	+15~24VDC (min 14.5V / max 32V) / 0.5A						
Operation Temperature	5~50℃ (Recommended Temperature Range : 15~35℃)						
Warm-up Time	15min (Accuracy Guaranteed : 30min)						
Material	STS-316L						

차압 비교

TSM-200 Series는 0~5,000 slm 까지 제작이 가능하며, 압력 조건 및 Fitting size에 따라서 제작할 수 있는 유량이 결정 됩니다.

Y축 : ΔP (bar) X축 : Flow rate (slm)



제작 사양표

Digital MFM

Model	Flow Range	Fitting (L:LOK, V:VCR, F:Flange)							Seals		In/Out Signal		Function		Surface Finish		
		1/8"	1/4"	3/8"	1/2"	3/4"	1"	25A	40A	Rubber	Metal	0~5V	4~20mA	Display	Accumulation	B/A	E/P
200	0~5sccm	L	L/V	L	V					○		○	○	○	○	○	
210	0~1.5slm	L	L/V	L	V					○		○	○	○	○	○	
220	0~30slm	L	L/V	L	V					○		○	○	○	○	○	
230	0~100slm		L	L	L/V	L				○		○	○	○	○	○	
240	0~400slm		L	L	L/V	L				○		○	○	○	○	○	
245	0~1,000slm			L	L/V	L				○		○	○	○	○	○	
250	0~2,000slm				L	L	L	F		○		○	○	○	○	○	
260	0~5,000slm					L	L	F	F	○		○	○	○	○	○	

제품 도면

