TSC-D200 Series

Description

TSC-D series can deliver high accuracy, fast response time, and various additional functions due to digital signal processing.

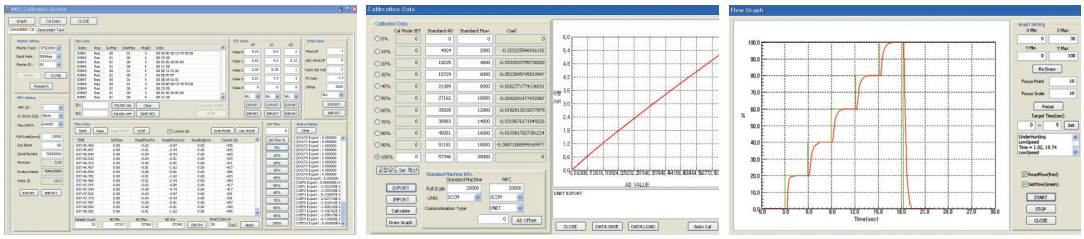
Power and Flow LED show whether power and flow control is on or off.

Specifications

Model	TSC-D200	TSC-D210	TSC-D220	TSC-D230
Flow Range (N_2 Equivalent)	3~7 sccm	7~1,500 sccm	1.5~30 slm	30~100 slm
Flow Rate Control Range	2~100% of Full Scale			
Accuracy	≤ ± 1.0 % of Full Scale			
Response Time	≤ 3 sec (10~100%) ≤ 5 sec (2~10%)	≤ 1.5 sec (10~100%) ≤ 2 sec (2~10%)		
Linearity	≤ ± 0.2 % of Full Scale			
Repeatability	≤ ± 0.2 % of Full Scale			
Control Valve Type	Normally Closed Solenoid			
Seal Type	Elastomer (Viton®, Viton-ETP®, Kalrez®, etc.)			
Digital Interface	RS-485 (Baud Rate: 9600 bps)			
Signal Type	Analog Mode : 0~5VDC or 4~20mA Digital Mode : RS-485			
Power Supply	+15~24VDC			
Operation Temperature	5~50℃ (Recommended Temperature Range : 15~35℃)			
Warm-Up Time	15min (Accuracy Guaranteed : 30min)			

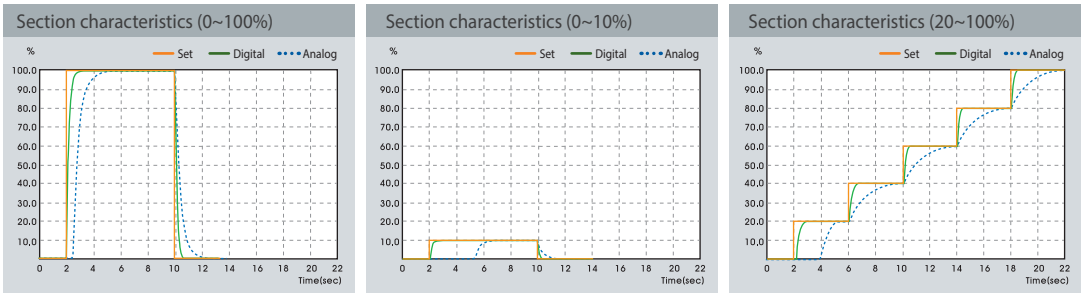
Monitoring software

Mass flow rate and control conditions can be displayed in real time using monitoring software.



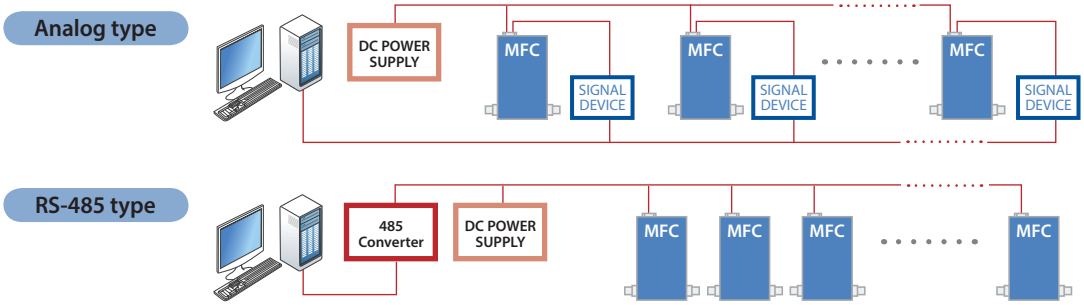
Response characteristics

Compared to Analog MFC, TSC-D Series can offer faster response time and more precise control.



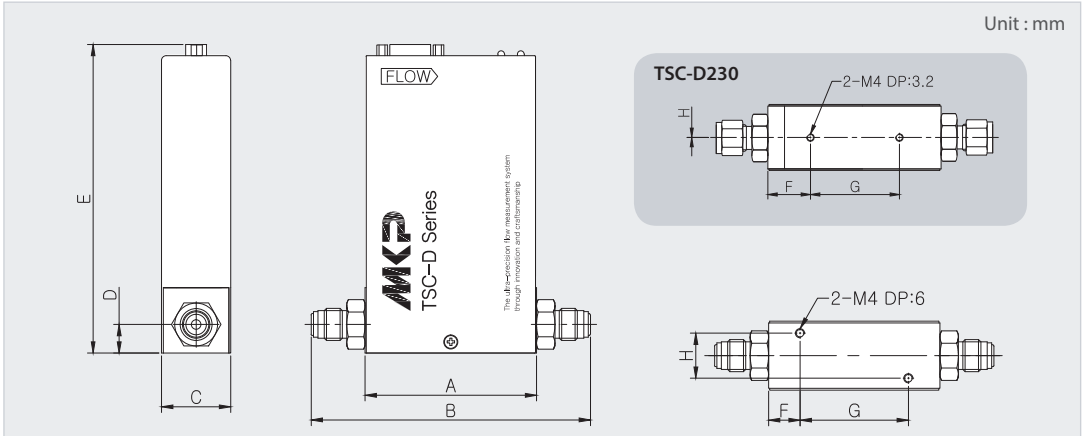
Digital communications

Since RS-485 type digital communication system does not need AD/DA converters, cost savings can be expected.



External dimensions

Unit : mm



Model	A	B							C	D	E	F	G	H
		1/8"LOK	1/4"LOK	3/8"LOK	1/2"LOK	3/4"LOK	1/4"VCR	1/2"VCR						
TSC-D200~D220	76	122.74	127.32	130.36	-	-	123.8	130.1	30.8	12.7	136.8	14	48	20
TSC-D230	93.5	-	146.34	149.38	154.98	161.58	-	148.9	35.8	17	141.8	23	48	0