

TSC-D100 Series



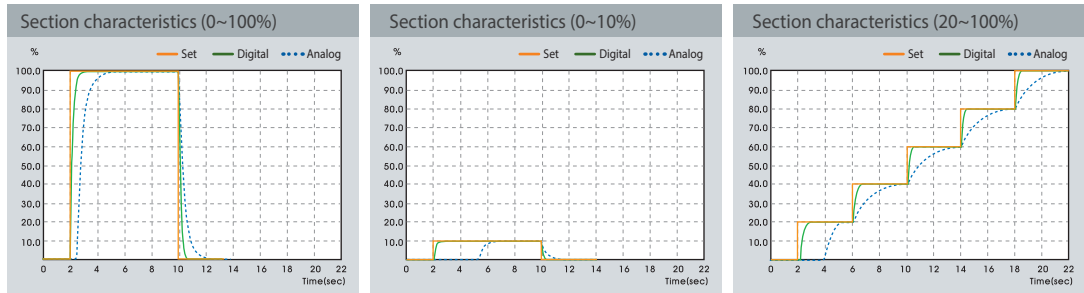
Description | TSC-D100 series is a digital MFC that can provide fast response time and high accuracy for large flow rate applications. Various extra functions can also be provided.

Specifications

Model	TSC-D145	TSC-D150	TSC-D160
Flow Range (N ₂ Equivalent)	400~1,000 slm	1,000 ~2,000 slm	2,000~5,000slm
Flow Rate Control Range	2~100% of Full Scale		
Accuracy	≤ ± 2.0 % of Full Scale		
Response Time	≤ 2.5 sec (10~100%) ≤ 3.5 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°C (Recommended Temperature Range : 15~35°C)		
Warm-Up Time	15min (Accuracy Guaranteed : 30min)		

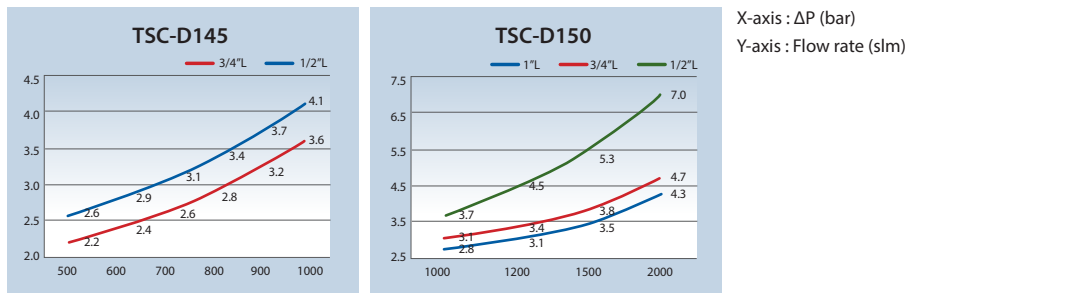
Response characteristics

TSC-D100 series shows better response time and stability compared to analog MFC, which enables precise control through entire flow range.



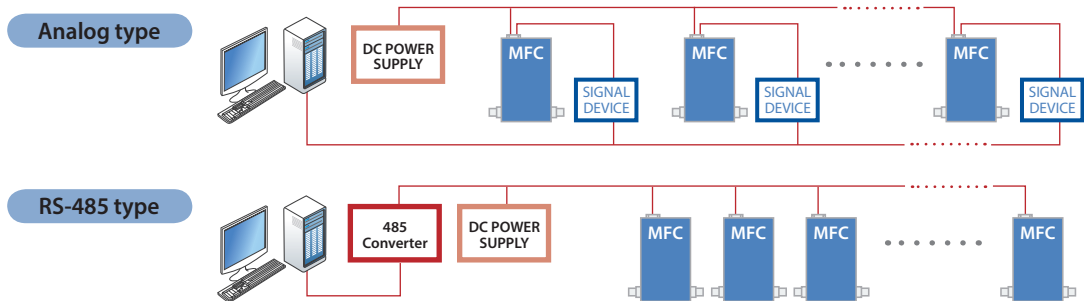
Pressure condition and flow range

TSC-D100 series can measure flow range between 100 and 2000 slm depending on the pressure and fitting size.



Digital communications

RS-485 type digital communication system can save cost since it does not need AD/DA converters.



External dimensions

