



Closed-Loop Air Flow Controller

1000 sL/min

B3AKMF1000/B3HKMF1000



Product Description

The B3AKMF1000/B3HKMF1000 series consists of QKL series Proportional Pressure Regulator and KMF1000 gas mass flow meter. This series uses a rapid analog PID to regulate the opening of the proportional valve in order to change the flow rate. The KMF1000 gas mass flow meter rapidly detects the flow rate of gas and an electric signal is provided to the CPU to operate the PID.

This high-speed mass flow controller is a complete combination consisting of a Proportional Pressure Regulator and mass flow meter. It can reach the control of a closed loop. All you need to provide is source air pressure, DC24V, and an electronic control signal.

All our products have CE, SGS, RoHS certification with ISO13485 quality system.

Specifications

Type	B3AKMF1000	B3HKMF1000
Min/Max Flow Range	28~283 LPM / 85~850 LPM	
Max Inlet Pressure	8bar (116psi)	30bar(0-435psi)
Input Signal	0-10V / 0-5V / 4-20mA / RS485	
Monitor Output	1-5V / RS485	
Supply Power(VDc)	24 VDc(12W)	
Medium	Clean compressed air or with 5 μm filter	
Accuracy	±1.5% F.S	
Repeatability	0.025%	
Turn-Down Ratio	100:1	
Display	SLPM(Instant Flow) / SL(Accum Flow)	
Temp.	10~65°C (Fluid)	
	25~85 °C (Ambient)	
Port	G1/4"	G3/8"

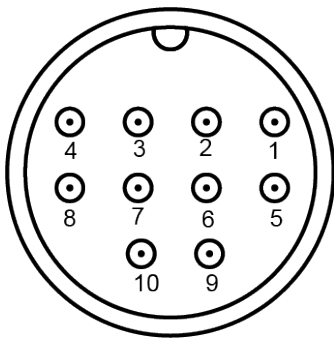


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Type	B3AKMF1000	B3HKMF1000
Manifold Material	Aluminum	
Wetted Materials	Aluminum, Stainless steel, NBR	
Electrical Connection	EDZ1550/4	
Calibration	Air, 20°C, 101.325kPa	

Wiring



No.	Color	功能 Function
1	Red	24V DC Power (+)
2	Black	24V DC Power (-) Command(-)
3	Blue	RS485(+)
4	Green	RS485(-)
5	Yellow	Output monitor 1-5V out
7	White	Command(+) 0-5V Command(+) 0-10V
8	Gray	Command(+) 4-20mA