

Electro-Pneumatic Positioner BM-1000R (Dome Cover)

Ordering Symbols: BM-1000R

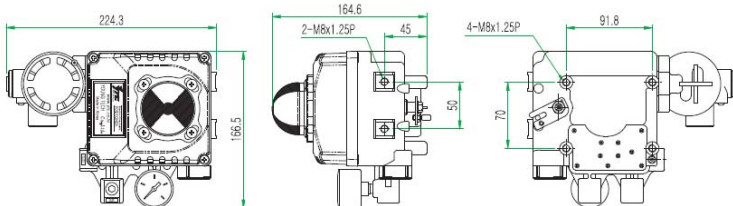


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
BM-1000R	S Single Acting	m Exd mIBT5	1 M6×40L	1 φ1	1 PT	S -20℃~60℃	0 NONE(St'd)	0 NONE
	D Double Acting	c ExdmIIC T5	2 M6×63L	2 φ2	2 NPT	H -20℃~120℃	1 Dome Cover	1 +PTM(Internal)
		l ExialIBT6	3 M8×40L	3 NONE		L -40℃~70℃		2 +PTM(External)
		n Non-Explosion	4 M8×63L					3 +L/S(Internal)
			5 NAMUR					4 +L/S(External)
								5 +PTM+L/S(Internal)



Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250±15 Ohm	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	0~90°	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Explosion Proof	Ex dm IIB T5	
	Ex dm IIC T5	
	Ex ia IIB T6	
Protection	IP66	
Ambient Temp	-20℃~70℃ (Operating Temp.)	
	-20℃~60℃ (Explosion Temp.)	
Linearity	±1% F.S.	±2% F.S.
Hysteresis	±1% F.S.	
Sensitivity	±0.2% F.S.	±0.5% F.S.
Repeatability	±0.5% F.S.	
Air Consumption	3LPM(Sup=1.4kgf/cm ² ,20psi)	
Flow Capacity	80LPM(Sup=1.4kgf/cm ² ,20psi)	
Material	Aluminum Diecasting	
Weight	2.8kg(6.2lb)	



The Electro-Pneumatic Positioner, BM-1000R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges.

- Dome indicator makes the user to monitor positioner's operating angles from the long distance.
- There is no resonance at 5~200Hz.
- The change of RA/DA Acting is convenient, and it is applicable to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.
- It has an ability to control the 1/2 split range with simple modification without part replacement.