

Electro-Pneumatic Positioner

KM-1000L (Linear Type)

Ordering Symbols: KM-1000L

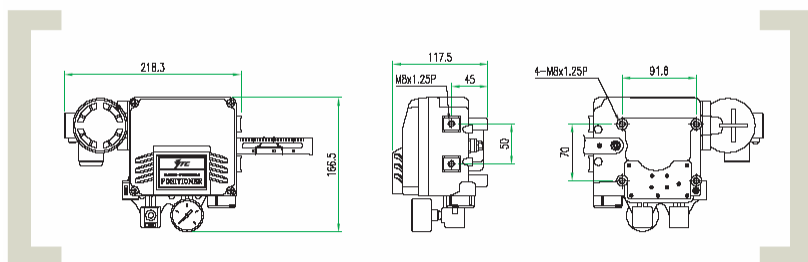


Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp
KM-1000 L	Single Acting	ExdmIIBT5	8-35mm	Φ1	PT	-20℃~60℃
	Double Acting	ExdmIICT5	20-40 mm	Φ2	NPT	-20℃~120℃
		ExialIIBT6	30-70 mm	None		-40℃~70℃
		Non-Explosion	60-100 mm			
			110-150 mm			



Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250±15 Ohm	
Supply Pressure	1.4~7kgf/cm ² (20~100psi)	
Stroke	10~150mm	
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) -20℃~60℃ (Explosion)	
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	2.7kg(6.1lb)	



The Electro-Pneumatic Positioner KM-1000L is used for operation of pneumatic linear valve actuators by means of electrical controller or control system with an analog output signal of DC 4 to 20 mA or split Ranges.

- There is no resonance at 5~200Hz.
- The change of RA/DA Action is convenient, it is able to apply 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 is able to control the 1/2 split range with simple operation without replacement of parts.