

Description

TS600 Electro-Pneumatic Positioner controls the valve stroke in response to an input signal of 4-20mA from the control panel, DCS, or calibrator.

Certified



Features



- + Fast response time and excellent stability
- + Simple zero and span adjustment
- + IP66 enclosure
- + Strong anti vibration performance
- + By-pass valve (A/M switch) installed
- + Air connection part is designed for detachability and it can be changed PT/NPT tapping threads in the field easily
- + Integrated Flameproof and Intrinsically safe protection (ATEX&IECEX version)

Installation example



Internal structure




Position transmitter PCB



Specifications

Model	TS600L(Single)	TS600L(Double)
Input signal	4~20mA DC	
Impedance	250 ±15Ω	
Supply pressure	0.14~0.7MPa	
Stroke	10~150mm	
Air connection	PT1/4, NPT1/4, G1/4	
Gauge connection	PT1/8, NPT1/8	
Conduit	G(PF)1/2, NPT1/2, M20	
Explosion proof type	Ex db mb IIC T6/T5 Gb Ex ia IIC T6/T5 Gb	
Intrinsically safe parameters	Ui=28V, li=101mA, Pi=707mV	
Enclosure	IP66 (EN60529)	
Ambient Temp.	-20°C~70°C (Standard type)	
Temp.	Explosion proof -40°C~60°C(T5) / -40°C~40°C(T6)	
Linearity	±1.0% F.S.	±2.0% F.S.
Sensitivity	±0.2% F.S.	±0.5% F.S.
Hysteresis	±1.0% F.S.	
Repeatability	±0.5% F.S.	
Air consumption	Below 2.5LPM (Sup=0.14MPa)	
Flow capacity	Over 80LPM (Sup=0.14MPa)	
Material	Aluminum die cast	
Weight	2.8kg	

Product number

Model	TS600	L				
Acting type	Linear type	L				
Explosion proof type	Non-explosion proof	N				
	Ex dmb IIB T5/T6	B				
	Ex dmb IIC T5/T6	C				
	Ex ia IIC T5/T6	A				
	ATEX&IECEx version	X				
	Ex db mb IIB/IIC T5/T6 Gb					
	Ex ia IIC T5/T6 Gb					
Connection	Conduit entry	Air connection				
	G1/2	PT1/4	1			
	G1/2	NPT1/4	2			
	NPT1/2	NPT1/4	3			
	M20	NPT1/4	4			
M20	G1/4	5				
Lever type	10 ~ 40mm		1			
	40 ~ 70mm		2			
	70 ~ 100mm		3			
	100~ 150mm		4			
Ambient Temp.	-20°C~70°C				S	
	-20°C~120°C *				H	
	-40°C~70°C				L	
Option	None (Standard type)					0
	With 4~20mA Position transmitter (Positioner is RA type) *					1
	With 4~20mA Position transmitter (Positioner is DA type) *					2

* Must be Non-explosion proof type.

Dimension [Unit:mm]

