



## Description

TS600 electro-pneumatic positioner control valve stroke in response to input signal of 4-20mA from control panel, DCS, or calibrator.

## Features

- Applied to various control valve system.
- Fast response time, durability, and excellent stability.
- Simple zero and span adjustment.
- IP 66 enclosure.
- Easy maintenance due to built-in module type.
- Strong to vibrations and No resonance between 5 - 200 Hz.
- 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.

## Specifications

Item.Type	TS600L		TS600R	
	Single	Double	Single	Double
Input Signal	4~20mA DC			
Impedance	250 ±15Ω			
Supply Pressure	0.14~0.7MPa			
Stroke	10~150mm		0~90°	
Air Connection	PT(NPT)1/4			
Gauge Connection	PT(NPT)1/8			
Conduit	G(PF)1/2 or NPT1/2			
Explosion Proof	Non-Explosion Ex dmb IIB T5/T6 Ex dmb IIC T5/T6 Ex ia IIC T5/T6			
Enclosure	IP66			
Ambient Temp.	Operating Temp.		-20℃~70℃ (Standard)	
	Explosion Temp.		-40℃~70℃ ( Low Temp), -20℃~120℃ (High Temp)	
Linearity	±1.0% F.S	±2.0% F.S	±1.0% F.S	±2.0% F.S
Sensitivity	±0.2% F.S	±0.5% F.S	±0.2% F.S	±0.5% F.S
Hysteresis	±1.0% F.S			
Repeatability	±0.5% F.S			
Air Consumption	Blow 2.5LPM (Sup=0.14MPa)			
Flow Capacity	Over 80LPM (Sup=0.14MPa)			
Material	Aluminum Diecasting			
Weight	2.8kg			

## Product Number

Model	TS600								
Motion Type	Linear type	L							
	Rotary type	R							
Explosion Proof Type	Non-Explosion Type	N							
	Ex dmb IIB T5/T6	B							
	Ex dmb IIC T5/T6	C							
	Ex ia IIC T5/T6	A							
Connection	Conduit Entry	Air Connection							
	G(PF)1/2	PT1/4			1				
	G(PF)1/2	NPT1/4			2				
	NPT1/2	NPT1/4			3				
Linear Lever Type	10 ~ 40mm							1	
	40 ~ 70mm							2	
	70~100mm							3	
	100~150mm							4	
Rotary Lever Type	M6 x 34L							1	
	NAMUR Type							5	
Ambient Temp	-20℃~70℃								S
	-20℃~120℃*								H
	-40℃~70℃								L
Option	None								0
	4~20mA Feedback signal								1
	Limit Switch Included (2xSPDT)								2
	4~20mA Feedback Signal with Limit Switch (2xSPDT)								3

\* Note. With high temp positioner must be Non-Explosion type.

\* Option is available for rotary type ONLY.

## Installation Example



Single acting linear actuator