

# Pneumatic-Pneumatic Positioner TS610 Series



## Description

TS610 series Pneumatic-Pneumatic Positioner controls the valve stroke in response to an input signal pressure of 0.02~0.1MPa from the controller.



## Features



TS610L (Linear type)



TS610R (Rotary type)

- + Fast response time and excellent stability
- + Simple zero and span adjustment
- + IP 66 enclosure
- + Low air consumption
- + By-pass valve (A/M switch) installed
- + Position transmitter and Limit switch (Options)

## Options



Option code No.1  
TS610R with Dome cover



Option code No.2  
TS610R with Position transmitter  
(External TS500)



Option code No.3 and No.6  
TS610R with Position transmitter  
(External TS510)



Option code No.4  
TS610R with Limit switch box  
(External TS400)



Option code No.5  
TS610R with Limit switch box  
(External TS410)



Option code No.7  
TS610R With external Limit switch  
mounting device



# Pneumatic-Pneumatic Positioner TS610 Series

## DDD Brand

## 空氣訊號 比例式 定位器

### Specifications

Model	TS610(Single)	TS610(Double)
Input signal	0.02~0.1Mpa (3~15Psi)	
Supply pressure	0.14~0.7MPa (1.5~7Bar)	
Stroke	10~150mm (Linear), 0~90°(Rotary)	
Air connection	PT1/4, NPT1/4, G1/4	
Gauge connection	NPT1/8	
Enclosure	IP66 (EN60529)	
Ambient Temp.	-20°C~70°C (Standard type)	
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	
Painting	Polyester powder coating	
Weight	2.8kg	

### Product code

Model	TS610			
Acting type	Linear type	L		
	Rotary type	R		
Connection	PT1/4		1	
	NPT1/4		2	
	G1/4		3	
Lever (Linear type)	10 ~ 40mm			1
	40 ~ 70mm			2
	70~100mm			3
	100~150mm			4
Lever (Rotary type)	M6 x 39L			1
	NAMUR			5
Ambient Temp.	-20°C~70°C			S
	-20°C~120°C			H
	-40°C~70°C			L
	-60°C~70°C			U
Option	None			0
	With Dome cover			1
	External position transmitter (TS500)			2
	External Position transmitter (TS510)			3
	External Limit switch (TS400)			4
	External Limit switch (TS410)			5
	External Position transmitter and Limit switch (TS510)			6
With Limit switch mounting device			7	

Made in KOREA



\*Option No.1~7 are only available with TS610R(Rotary type).

### Dimension [Unit:mm]

