

Electro-Pneumatic Positioner TS600R (Rotary type)

TS600L見第三頁
台灣防爆證書見第五頁



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
- + IP 66 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)

Options



Option code No.2 or No.4
TS600R with Limit switch
(Non-explosion proof type)



Signal In+OUT 4~20mA
TS600R with Position transmitter
(Non-explosion proof type)



with Pneumatic Actuator and Air Filter Regulator



Option code No.1
TS600R with Position transmitter
With LCD (Special type)



Option code No.3
TS600R with Limit switch
(Explosion proof type)



Option code No.5
TS600R with Position transmitter and
Limit switch (Explosion proof type)



Option code No.6
With external Limit switch
mounting device



For KCS certificate type

www.autovalve.tw

TEL : 02-86483176 , FAX : 02-86475088




Electro-Pneumatic Positioner TS600R (Rotary type)

Specifications

Model	TS600R(Single)	TS600R(Double)
Input signal	4~20mA DC	
Impedance	250 ±15Ω	
Supply pressure	0.14~0.7MPa	
Stroke	0~90°	
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, Ii=101mA, Pi=707mV	
Enclosure	IP66 (EN60529)	
	Operating Temp.	-20°C~70°C (Standard type)
Ambient 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 code

Model	TS600	R				
Acting type	Rotary type	R				
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 IIC T6/T5 Gb Ex ia IIC T6/T5 Gb					
Connection type	Conduit entry	Air connection				
	G1/2	PT1/4			1	
	G1/2	NPT1/4			2	
	NPT1/2	NPT1/4			3	
	M20	NPT1/4			4	
Lever 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 (For EAC)					U
Option	None					0
	Internal PTM*					1
	Internal L/S*					2
	External L/S (TS410)					3
	Internal PTM + L/S*					4
	External PTM+L/S (TS510)					5
	With external L/S mounting device					6
	With PTM + L/S mounting device*					7
With Dome cover*					8	

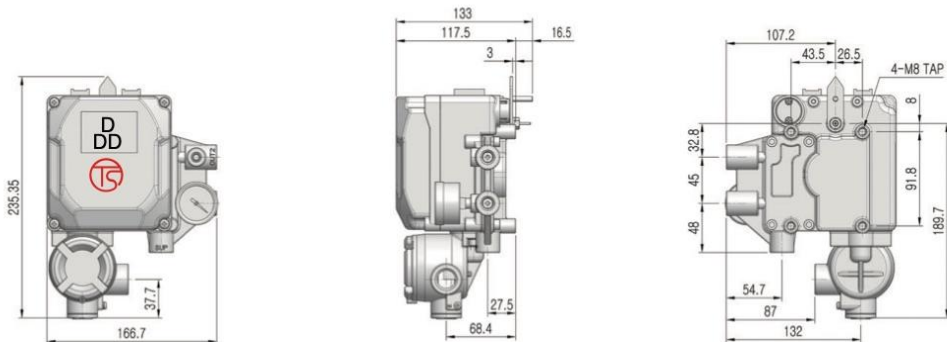
Notes:

1. * Must be Non-explosion proof type.

2. Conduit entry for ATEX/IECEX/CCC/NEPSI/KCS should be "NPT1/2" or "M20".

3. PTM is Position transmitter, L/S is Limit switch.

Dimension [Unit:mm]



Electro-Pneumatic Positioner TS600L (Linear type)



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
- + IP 66 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






Electro-Pneumatic Positioner TS600L (Linear type)

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 IIB/IIC T6/T5 Gb Ex ia IIC T6/T5 Gb Ex tb IIIC T85°C/T100°C Db	
Intrinsically safe parameters	Ui=28V, li=101mA, Pi=707mV	
Enclosure	IP66 (EN60529)	
Ambient Temp.	Operating Temp.	-20°C~70°C (Standard type)
	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 code

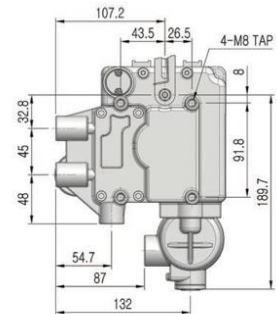
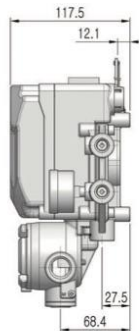
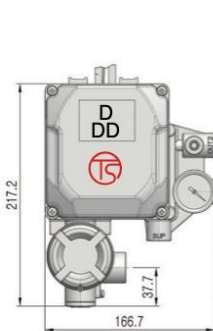
Model	TS600	L					
Acting type	Linear type	L					
Explosion proof type	Non-explosion proof	N					
	 Ex dmb IIB T5/T6 Ex dmb IIC T5/T6 Ex ia IIC T5/T6 ATEX&IECEX version Ex db mb IIB/IIC T5/T6 Gb Ex ia IIC T5/T6 Gb	B					
		C					
		A					
		X					
Connection type	Conduit entry	Air connection					
	G1/2	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		
	-60°C~70°C(For EAC)				U		
Option	None (Standard type)					0	
	With Position transmitter(4~20mA) (Positioner is RA type) *					1	
	With Position transmitter(4~20mA) (Positioner is DA type) *					2	

Notes:

1. * Must be Non-explosion proof type.

2. Conduit entry for ATEX/IECEX/CCC/NEPSI/KCS should be "NPT1/2" or "M20".

Dimension [Unit:mm]




**指定機械、設備或器具安全資訊網站申報
登錄完成通知書**


Registration Document for the Declaration and Registration scheme
of the required machinery, equipment and tools

登錄完成通知書號碼：ML1312007022F1



Document No.

茲據職業安全衛生法第七條第三項規定辦理安全資訊申報，經確認符合規定，
准予登錄並使用安全標示  及識別號碼：TD13001L。其登錄事項如下：

The document made under Paragraph 3 in Article 7 of the Occupational Safety and Health Act has been reviewed and found to be in compliance with related regulations. Therefore, registration is granted with the Safety Label  and the Identification No. TD13001L. Details of the registration are as follows:

申請人：品青閥業有限公司 統一編號：53086688
Application Uniform No.

地址：臺北市松山區八德路二段374號7F-6
Address

生產廠場/廠址：
Factory/Factory address

廠場項次 Factory Items	生產廠場 Factory	廠址 Factory Address	國別代碼 Country Code
1	Tissin Co., Ltd.	201-1105, No397, Seokcheon-ro Bucheon-si, Gyeonggi-do, Korea	KR

產品種類名稱：防爆電氣設備

Type/ name of product

貨品分類號列：84819090004

C. C. C. Code

中文名稱：防爆閥門定位器

Chinese name

英文名稱：Electropneumatic positioner

English name

型式：TS600

Type

主型式序號：

Type number

系列型式：如附錄

Series of the type

依據標準：

Safety standards

廠場項次 Factory Items	驗證方式	標準