

防爆智慧型閥門定位器 (本安型)  
Smart Valve Positioner  
TS800/TS805 Series

TS800R/TS800L  
TS805R/TS805L  
防爆證書見第三頁



Description

TS800 Smart Valve Positioner controls the valve stroke in response to an input signal of 4-20mA from the control panel, DCS, or calibrator.

Certified



Features



TS800 Standard type  
標準：鋁合金體



TS805 Stainless steel 316 type



TS800 with Limit switch type

- + Quick and easy auto calibration
- + Flapper / Nozzle type Torque motor
- + By-pass valve (A/M switch) installed
- + HART communication (HART 7)
- + Limit switch (Mechanical or Proximity type)
- + Partial stroke test (PST) function
- + Alarm function
- + Advanced diagnostics (Option)
- + Copper minimized (Option)

TS820 (Remote type)



Interface structure



1. LCD
2. Button (4)
3. Alarm modules
4. Input signal (4~20mA DC)
5. Ground
6. Position transmitter (Option)
  - 2 Wire
  - 4~20mA DC feedback signal
7. Limit switch (Option)
  - Mechanical type
  - Proximity type

[www.autovalve.tw](http://www.autovalve.tw)

TEL : 02-86483176 , FAX : 02-86475088



**TS800R(旋轉型)**  
**TS800L(直線型)**  
 標配自動校正, 警報監控

Smart Valve Positioner  
**TS800/TS805 Series**

▀ Specifications

Model	TS800/TS820	TS805
Input signal	4~20mA DC	
Impedance	500Ω at 20mA DC	
Supply pressure	0.14~0.7MPa	
Stroke	10~150mm (Linear), 0~90° (Rotary)	
Air connection	PT1/4, NPT1/4, G1/4	
Gauge connection	PT1/8, NPT1/8	
Conduit	G1/2, NPT1/2, M20	
Explosion proof type	ATEX, IECEx	Ex ia IIC T5/T6 Ga Ex ia IIIC T112°C/92°C Da
	CCC, NEPSI, KCS	Ex ia IIC T5/T6 Gb Ex ia IIIC T85°C/100°C Db
	EAC	1 Ex ia IIC T5/T6 Ga
	CSA/US	See certificate
Enclosure	EN60529	IP66
	NEMA	Type 4      Type 4X
Ambient Temp.	Standard type	-30°C~85°C
	Low temp type	-40°C~85°C
	Explosion proof	-40°C~60°C(T5) / -40°C~40°C(T6)
	LCD operating	-30°C~85°C
Linearity	±0.5% F.S.	
Sensitivity	±0.2% F.S.	
Hysteresis	±0.5% F.S.	
Repeatability	±0.3% F.S.	
Air consumption	Below 2.3LPM (Sup=0.14MPa)	
Required air quality	Class 3 (ISO 8573-1)	
Flow capacity	Over 100LPM (Sup=0.14MPa)	
Material	Aluminum die cast	Stainless steel 316
Weight	2.6kg	4.2kg
HART version*	HART 7	
Position transmitter*	Connection type	2 Wire
	Supply voltage	10~30V DC
Limit switch rating*	Mechanical type	AC 125V, 3A DC30V, 2A
	Proximity type	DC8.2V 8.2A

\* Options

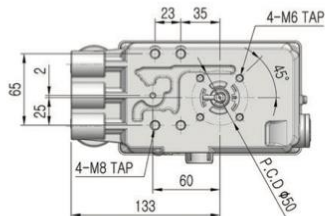
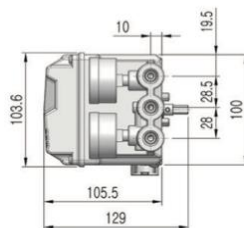
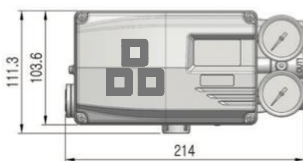
▀ Product code

Model	TS8								
Option	Standard type	0							
	Remote type	2							
Body material	Aluminum	0							
	Stainless steel 316	5							
	Aluminum	1							
	(Copper minimized)								
Acting type	Linear (Potentiometer type)		L						
	Rotary (Potentiometer type)		R						
	Linear (Non-Contact Sensor)		S						
	Rotary (Non-Contact Sensor)		Q						
Explosion proof type	Non-explosion proof			N					
	ATEX, IECEx, KCS, CCC, EAC			A					
	CSA/US			S					
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 (Linear type)	10 ~ 70mm						1		
	70 ~ 150mm						2		
	For tubeless actuator (30mm)						3		
	For tubeless actuator (70mm)						4		
Lever (Rotary type)	M6 x 39L						1		
	NAMUR						5		
Ambient Temp.	-30°C~85°C							S	
	-40°C~85°C							L	
	-60°C~85°C (For EAC)							U	
Communication	None							0	
	Position transmitter(4~20mA)							1	
	HART communication							2	
	HART with Position transmitter(4~20mA)							3	
	HART with Advanced diagnostics							4	
	HART with Advanced diagnostics and Position transmitter(4~20mA)							5	
Limit switch*	None							0	
	Mechanical type							M	
	Proximity type(P&F)							P	
	With dome cover (Without Limit switch)							D	
Cable length (For TS820)	5m							1	
	10m							2	
	User define (Less than 20 meters)							X	

\*Connection type for CSA is only available with No.3~4.

\*Limit switch options are not available with Non-contact sensor type.

▀ Dimension [Unit:mm]



TS800系列 符合 勞動部核發之 台灣TS防爆證書 識別編號TD13001L  
TS800系列為 韓國製造 ( 眾知 台灣 無生產 閥門定位器 ) 勞動部把關 產地現形


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：ML131100702GK8



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, No 397, 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：防爆智慧型閥門定位器

Chinese name

英文名稱：Smart Valve Positioner

English name

型式：TS800

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
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