

# SRI990型模拟定位器

## SRI990 Analog Positioner

### 1. 产品简介PROFILE

模拟定位器SRI990带有模拟输入4-20毫安（或以0-10伏直流电）是用来操作气动阀门执行器和可用在EEx ia /本质安全型和FM。

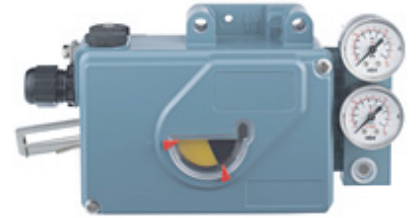
通过dip开关旋转和输入信号以及为电位计的调零、跨度、获取和阻尼可以很容易的实现自适应和设置。

这个功能可以用DIP开关执行气功测试来检测。

The analog Positioner SRI990 with analog input 4-20 mA (or optional with 0-10 VDC) is designed to operate pneumatic valve actuators and is available in the version EEx ia / intrinsically safe and FM.

The adaptation and settings can easily be achieved by the dip-switches for the action of rotation and the input signal as well as by the potentiometers for the zero, span, gain and damping.

The functionality can be checked with a pneumatic test executed by a DIP switch.



#### “模拟” (4-20毫安):

- 1、设置DIP开关、电位计
- 2、气动测试的DIP开关
- 3、分程调节设置
- 4、旋转方向容易设置

#### "ANALOG"(4 to 20 mA):

1. Configuration by means of Dip switches and potentiometers
2. DIP Switch for pneumatic test
3. Pre-configured split ranges
4. Easy configuration of direction of rotation

#### 技术数据:

- 1、模拟信号(4-20毫安)负载300欧姆  
(6伏直流电, 20mA)
- 2、模拟信号(0-10伏直流电)4线制,  
通过U/I转换器操作(svfi)
- 3、通过交换电子模块来转换智能版本

#### TECHNICAL DATA:

1. Analog (4-20mA): Load 300 Ohm (6 VDC at 20 mA)
2. Analog (0-10 VDC): 4-wire-version,  
operation by U/I-converter (on request)
3. Conversion to intelligent Version by exchanging the  
modular electronics

#### 常见的特点:

- 1、直行程8-260毫米(0.3到10.2英寸)
- 2、角行程范围: 30° ~95°
- 3、供气压力可达6 bar(90 psig)  
四通阀可达7 bar (105 psig)
- 4、低耗气
- 5、抗震性能好
- 6、有单作用和双作用
- 7、直行程执行机构支架符合NUMAR IEC534 Part 6标准  
直角行程执行机构支架符合VDI/VDE 3845标准
- 8、防护等级: IP 65, NEMA 4X
- 9、防爆安全:
  - (1) II 2 G EEx ia IIC 符合ATEX、NEPSI
  - (2) 本安 符合FM
- 10、可内置2线或3线技术独立感应开关或者微开关
- 11、独立的4-20毫安反馈信号

#### COMMON FEATURES:

1. Stroke 8 to 260mm (0.3 to 10.2 in)
2. Rotary Type Range: 30° ~95°
3. Supply air pressure up to 6 bar (90 psig).  
With Spool Valve up to 7 bar (105 psig)
4. Low air consumption
5. Low vibration effect in all directions
6. Single or double-acting
7. Mounting on linear actuators directly or according to IEC 534,  
Part 6 (NAMUR)  
Mounting on rotary actuators according to VDI/VDE 3845
8. Protection class IP 65, NEMA 4X
9. Explosion protection:
  - (1) II 2 G EEx ia IIC acc to ATEX NEPSI
  - (2) "Intrinsic Safety" acc to FM
10. Optional built-in independent inductive limit switches in  
2-wire or 3-wire technology, or micro switches.
11. Independent position feedback 4 to 20 mA  
(integrated on electronic / optional)

## 如何订购—请指定SRI990型号

### 类型:

单作用.....	B
双作用.....	C
阀位变送器.....	T

### 输入:

信号范围4-20毫安.....	I
(不适用: 不带输入信号或者气动).....	X

### 另外的输入/输出:

不带另外的输入 / 输出.....	M
信号反馈4-20毫安.....	Q

### 内置限位开关:

不带内置限位开关.....	S
本安型感应式限位开关 (标准版 SJ2-N).....	T
本安型感应式限位开关 (安全版 SJ2-SN).....	U
感应式限位开关 (三线制).....	R
机械式开关 (微型开关) / UL-和 CSA-许可.....	V

### 电缆接口:

1/2"-14NPT (带适配器 M20 x 1.5至1/2"-14NPT) ...	6
M20 x 1.5带塑料电缆接头.....	7

### 电气分类:

不带EX.....	ZZZ
II 2 G EEx ia IIC T6 符合 ATEX.....	EAA
II 3 G EEx Ta (Ta=80° )符合ATEX.....	ED3
Class I, Division 2, Groups A,B,C,D,E,F&G	
符合FM室内和室外危险区域, NEMA 4X.....	NFM
本安型Class I, Division 1, Groups A,B,C,D,E,F&G	
符合FM室内和室外危险区域, NEMA 4X.....	FAA
本安型Class I, Division 1, Groups A,B,C,D符合	
CSA室内和室外危险区域, NEMA 4X.....	CAA
本安型符合 GOST.....	GAA

### 选项:

气动连接1/4-18NPT 通过附加的进气管.....	Y
气动连接G1/4.....	C
有色金属放大器.....	E
气动连接G1/4代替 1/4-18NPT.....	P
四通阀型的气动放大器.....	S
SIL2 / SIL3应用证书.....	Q
定位器符合 VDI/VDE 3847.....	N
阀位变送器带一个远程安装的电位器.....	H
阀位变送器带额外的电磁阀电缆连接.....	D
不锈钢外壳.....	Z

### 标签:

印有颜色.....	G
金属丝固定不锈钢标签.....	L

## HOW TO ORDER—SPECIFY MODEL NUMBER SRI990

### VERSION:

Single Acting.....	B
Double Acting.....	C
Position Transmitter (without pneumatic compents).....	T

### INPUT:

Single Range 4-20 mA(a,h).....	I
(Not applicable: without Input Signal or Pneumatics( a,f).....	X

### ADDITIONAL INPUTS/OUTPUTS:

Without Additional Inputs/Outputs.....	M
Position Feedback 4-20 mA.....	Q

### BUILT-IN LIMIT SWITCH:

Without Built-In Limit Switch.....	S
Inductive Limit Switch—Intrinsic Safe (Standard Version SJ2-N)(a).....	T
Inductive Limit Switch—Intrinsic Safe (Security Version SJ2-SN)(a).....	U
Inductive Limit Switch (Three Wire Version)(g).....	R
Mechanical Switches (Micro Switches) / UL-and CAS-approved(g).....	V

### CABLE ENTRY:

1/2"-14NPT ( with Adapter(s)M20 x 1.5 to 1/2"-14NPT).....	6
M20 x 1.5With One Plastic Cable Gland.....	7

### ELECTRICAL CLASSIFICATION:

Without EX.....	ZZZ
II 2 G EEx ia IIC T6 according to ATEX.....	EAA
II 3 G EEx Ta (Ta=80° ) according to ATEX.....	ED3
FM Approved Nonincendive For Class I, Division 2, Groups A, B,C,D,E,F&G	
Hazardous Locatins Indoors And Outdoors, NEMA 4X (k).....	NFM
FM Approved For Intrinsic Safety Class I, Division I, Groups A,B,C,D,E,F&G	
Hazardous Locatins Indoors And Outdoors, NEMA 4X (k).....	FAA
CAS Approved For Intrinsic Safety Class I, Division I, Groups A,B,C,D	
Hazardous Locatins Indoors And Outdoors, NEMA 4X (k,b).....	CAA
GOST Approved For4 Intrinsic Safety.....	GAA

### OPTIONS:

Pneumatic connection 1/4-18 NPT made of an additional manifold(m).....	Y
Pneumatic connection G 1/4(m).....	C
Amplifier Free Of Nonferrous Metals(i).....	E
Pneumatical Connections G 1/4 instead of 1/4-18NPT(h).....	P
Pneumatic Amplifier in the Version "Spool Valve"(e).....	S
Certificate for SIL2 / SIL3 application(l).....	Q
Version of Positioner according to VDI/VDE 3847(c).....	N
Version of Position Transmitter with a potentiometer for remote mounting(f).....	H
Version of Position Transmitter with additional cable connections for solenoid-valve-connection(d,f).....	D
Stainless Steel housing(n).....	Z

### TAG NO. LABELING:

Stamped With Weather Resistant Color.....	G
Stainless Steel Label Fixed With Wire.....	L