

# 兩線式電位計傳送器

( HEAD-MOUNTED TWO-WIRE POTENTIOMETER TRANSMITTER )

MODEL  
SR420



RoHS

## ■特點(FEATURES)

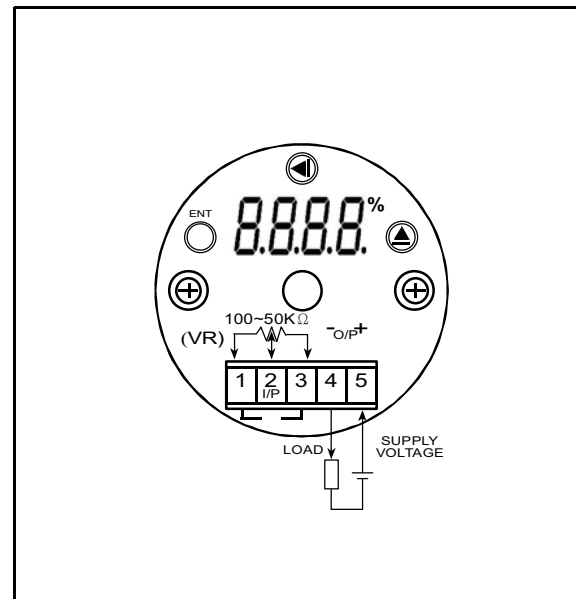
- 精確度0.1%滿刻度 (Accuracy 0.1%F.S.)
- 寬輸入範圍100Ω至50KΩ三線式(Wide input ranges from 100Ω to 50KΩ (3-wire))
- 輸出範圍(-1999至9999)可任意規劃(Output range (-1999-9999) can be modify)
- 感應器輸斷線保護功能最大輸出電流小於21mA  
(Burnout protection function, upscale the output current limit of approximately 21mA)
- 寬範圍電源輸入範圍直流10至30伏特(Field-rangeable supply voltage from 10 to 30V)
- 輸出負載能力強( $R_L(\max.) = (V_{\text{supply}} - 9V) / 20\text{mA}$ , up to 750 ohms at 24VDC)
- 低價位與高可靠度(Low cost and high stability)

1.MODEL: SR420  
(選購型號)

3.TERMINAL CONECTION (接線圖)

## 2.SPCIFICATION (主要規格)

- Measuring accuracy (精確度) : 0.1% F.S. (23 ±5°C)
- Supply voltage (電源輸入) : DC 10 to 30V(<21mA)
- Sensor input ranges (感應器輸入範圍) : 100 ohm-50K ohm(3-wire)
- Sensor exciting voltage (感應器電壓) : DC120mV
- Analog output span-according display range : -1999~+9999 digit adjustable (最高輸出對應顯示值範圍)
- Analog output zero-according display range : -1999~+9999 digit adjustable (最低輸出對應顯示值範圍)
- Response time (輸出反應時間) : <250ms (0-90%)
- Output load capability (輸出負載能力) :  $R_L(\max.) = (V_{\text{supply}} - 9V) / 20\text{mA}$   
(up to 750 ohms at 24VDC)
- Output ripple(p-p) (輸出漣波) : <0.05% F.S.
- Zero (offset) range (歸零調整範圍) : 0~±99 digit adjustable
- Span (scale) range (最大値調整範圍) : 0~±199 digit adjustable
- Temp. coefficient (溫度係數) : 50ppm/°C (0-50°C)
- Burnout protection (斷線保護) : Upscale the output current limit of approximately 21mA
- Reverse-voltage protection (逆向電壓保護) : Included as standard
- Display (顯示幕) : 7-segment LCD charactor high 5.5mm(.216")
- Parameter setting (參數設定方式) : Touch switches
- Memory mode (記憶型式) : Non-volatile E<sup>2</sup> PROM memory
- Dielectric strength (絕緣耐壓能力) : 2KVac/1 min. (input/case)
- RFI protection (RFI保護) : 2W-150MHz at 2 meter causes less than 0.5% change in output
- Operating condition (使用環境條件) : -5~60°C (20 to 90% RH non-condensed)
- Storage condition (存放環境條件) : -10~70°C (20 to 90% RH non-condensed)
- Case materials (外殼材料) : PBT(UL94-V0)
- Construction (安裝方式) : Head-mounting(DIN type B head)
- CE EMC Certification (CE認證) : EN 55022:1998/A1:2000 Class A  
EN 61000-3-2:2000  
EN 61000-3-3:1995/A1:2001  
EN 55024:1998/A1:2001



4.DIMENSION (unit:mm) (外型尺寸)

