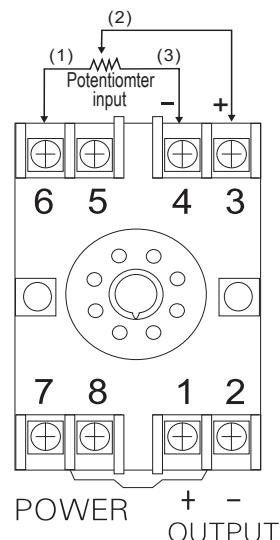


- 精確度0.1%滿刻度
- 開關式多種電位計輸入與直流輸出規劃功能
- 輸入與輸出與電源絕緣耐壓2仟伏特/1分鐘
- 寬範圍交直流兩用電源設計
- 尺寸小,穩定性高

規格特性

◆精度:	0.1% F.S.(23±5°C)
◆電源:	2.5VDC(<25mA) (Current)
◆輸入範圍:	100ohm~100Kohm
◆輸出反應時間:	<250ms(0~90%)
◆輸出負載能力:	<10mA for voltage mode <10V for current mode
◆輸出漣波:	<0.1% F.S.
◆歸零調整範圍:	0~±165% F.S. (DIP-switches) 0~±5% F.S. (VR-adjustable)
◆最大值調整範圍:	0~±165% F.S. (DIP-switches) 0~±10% F.S. (VR-adjustable)
◆溫度係數:	100ppm/°C (0~50°C)
◆隔離特性:	Input / Output / Power / Case
◆絕緣阻抗:	>100M ohm with 500V DC
◆絕緣耐壓能力:	2KVac/1min.(input/output/power) 1600Vdc(input/output)
◆使用環境條件:	0~60°C; 20~90% RH (non-condensed)
◆存放環境條件:	0~70°C; 20~90% RH (non-condensed)
◆安裝方式:	Socket/plugin type with barrier terminals

配線圖



選用型號規格

XTP-P- [代碼1] - [代碼2] - [代碼3]

碼1	輸入			
10	0~10%	16	0~50%	22 5~95%
11	0~15%	17	0~65%	23 10~90%
12	0~20%	18	0~70%	24 10~100%
13	0~25%	19	0~85%	29 OPTION
14	0~30%	20	0~90%	•Exciting Voltage 2.5VDC(<25mA)
15	0~40%	21	0~100%	

碼2	輸出			
A	0~0.5V	G	0~8V	M 1~5mA
B	0~1V	H	0~10V	N 0~10mA
C	0~2V	I	2~10V	O 0~16mA
D	0~4V	J	0~1mA	P 0~20mA
E	0~5V	K	0~2mA	Q 4~20mA
F	1~5V	L	0~5mA	R OPTION

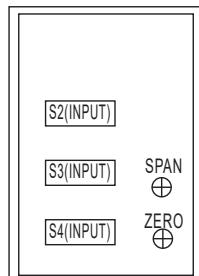
碼3	工作電源
A	AC/DC 18~60V
B	AC/DC 90~260V
Less 3VA for AC/DC input AC input frequency (45~65Hz)	

開關功能

- S2 → Input range offset(ZERO) selection
Offset setting%-S2

N%	1	2	4	8	10	20	40	80	ON(1)
P	1	2	3	4	5	6	7	8	OFF(0)

Status	off=enable
All poles off	N=165%
All poles on	N=0%



- S3 → Input range span(GAIN) selection
Span setting%-S3

N% 1 2 4 8 10 20 40 80 ON(1)
P 1 2 3 4 5 6 7 8 OFF(0)

Status off=enable
 All poles off N=165%
 All poles on N=0%

- S3 → P1-P2-P3-P4-P5-P6 : input range selection
P7-P8: output mode of voltage or current selection
(Refer, output switching table)

程序公式

RH: percent input High range
RL: percent input Low range

- Span → $X = [10 / (RH - RL)]\%$
 - Offset → $Y = (100 \times GxRL)$
(unit=%)

應用

Example: XTP-P-21Q2
Input range → RH=100%, RL=0%
Output range → DC4~20mA

- Span → $X = [10 / (100\% - 0\%)]\% = 10\%$
 - ZERO → $Y = (100 \times 0\%) \% = 0\%$

- S2

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

 ON(1)
OFF(0)
(P5-off & the rest on → EN=10%)

- S3  ON(1)
OFF(0)
(All poles on → EN=10%)

- S4

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

 ON(1)
OFF(0) (P5-P7-P8-off & the rest on)

輸入開關表

switching status 1 = on; 0 = off

Input range	S3(ZERO)								S2(SPAN)							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
0~10%	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0
0~15%	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	1
0~20%	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0
0~25%	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
0~30%	1	1	1	1	1	1	1	1	0	0	1	1	0	0	1	1
0~40%	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1
0~50%	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
0~60%	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	1
0~70%	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1
0~80%	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1
0~90%	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1
0~100%	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
5~95%	0	1	0	1	1	1	1	1	0	1	1	1	0	1	1	1
10~90%	1	1	1	1	0	1	1	1	0	0	1	1	0	1	1	1
10~100%	1	1	1	1	0	1	1	1	0	1	1	1	0	1	1	1

Recalibrating to obtain linear output

輸出開關表

switching status 1 = on; 0 = off

Output range	O/P Range							O/P Mode
	1	2	3	4	5	6	7	
0~0.5V	0	1	1	1	1	0	1	1
0~1V	1	0	1	1	1	0	1	1
0~2V	1	1	0	1	1	0	1	1
0~4V	1	1	1	0	1	0	1	1
0~5V	1	0	1	0	1	0	1	1
1~5V	1	1	1	0	1	1	1	1
0~6V	1	1	0	0	1	0	1	1
0~8V	1	1	1	1	0	0	1	1
0~10V	1	1	0	1	0	0	1	1
2~10V	1	1	1	1	0	1	1	1
0~1mA	0	1	1	1	1	0	0	0
0~2mA	1	0	1	1	1	0	0	0
0~5mA	0	1	0	1	1	0	0	0
1~5mA	1	1	0	1	1	1	0	0
0~10mA	1	0	1	0	1	0	0	0
2~10mA	1	1	1	0	1	1	0	0
0~16mA	1	1	1	1	0	0	0	0
0~20mA	1	1	0	1	0	0	0	0
4~20mA	1	1	1	1	0	1	0	0