

HEAD-MOUNTED TWO-WIRE TEMPERATURE TRANSMITTER

MODEL
TW

NEW



CE

■特點(FEATURES)

- 精確度0.1%滿刻度(Pt-100),0.2%滿刻度±0.5°C冷接點補償(TC) (Accuracy 0.1%F.S.(Pt-100),0.2%F.S.±0.5°C(CJC)(TC))
- 輸入範圍(-1999至9999)/顯示單位(°C,°F)可任意規劃 Input range(-1999~9999)/Display unit(°C,°F)canbemodify)
- 感應器輸入斷線保護功能最大輸出電流小於≤20.32mA
(Burnout protection function, upscale the output current limit of approximately ≤20.32mA)
- 寬範圍電源輸入範圍直流10至30伏特(Field-rangeable supper voltage from 10 to 30V)
- 輸出負載能力強(R_L(max.)=(V_{supply}-9V)/20mA, up to 750 ohms at 24VDC)
- 低價位與高可靠度(Low cost and high stability)

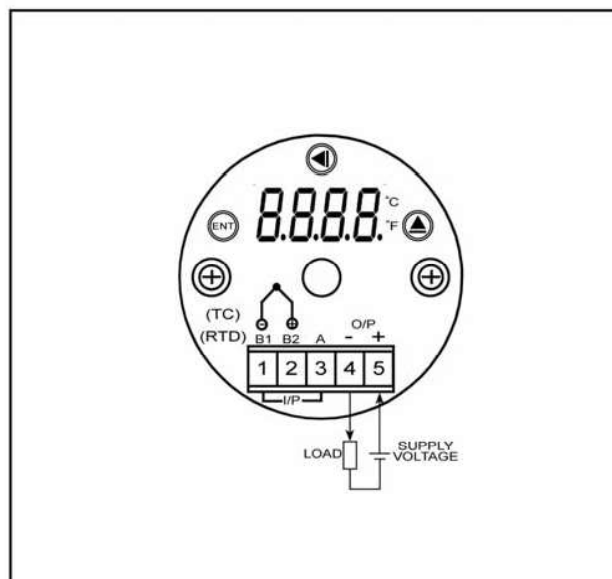
1.MODEL:TW-□ (選購型號)

NO	Input Range	NO	Input Range
P	Pt-100(-200~850°C)	K	K(-200~1360°C)
B	B(200~1800°C)	R	R(0~1760°C)
E	E(-185~990°C)	S	S(0~1760°C)
J	J(-200~760°C)	T	T(-200~395°C)

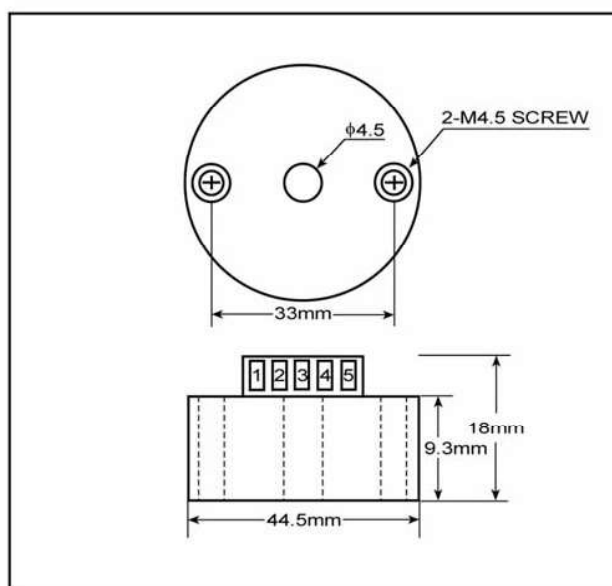
2.SPCIFICATION (主要規格)

- Measuring accuracy (精確度) : 0.1% F.S.(Pt-100)(23 ±5°C)
0.2% F.S.±0.5°C (CJC)(Thermocouple)
- Cold junction compensation accuracy (熱電偶冷接點補償精確度) : ±0.5°C(0~70°C)
- Supply voltage (電源輸入) : DC 10 to 30V(<20.32mA)
- Sensor exciting current (感應器電流) : <1mA(RTD)
- 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_{supply}-9V)/20mA
(up to 750 ohms at 24VDC)
- Output ripple(p-p) (輸出漣波) : <0.1% F.S.
- Offset range (歸零微調範圍) : 0~±99 digit adjustable
- Span range (最高值微調範圍) : 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 20.32mA
- 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 E² PROM memory
- Dielectric strength (絕緣耐壓能力) : 2KVac/1 min. (input/case)
- Reverse voltage protection (逆向電壓保護) : Included as standard
- Case materials (外殼材料) : PBT(UL94-V0)
- 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)
- 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

3.TERMINAL CONECTION (接線圖)



4.DIMENSION (unit:mm) (外型尺寸)



NEW



■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))
- 感應器輸出斷線保護功能最大輸出電流小於20.32mA
(Burnout protection function, upscale the output current limit of approximately 20.32mA)
- 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)

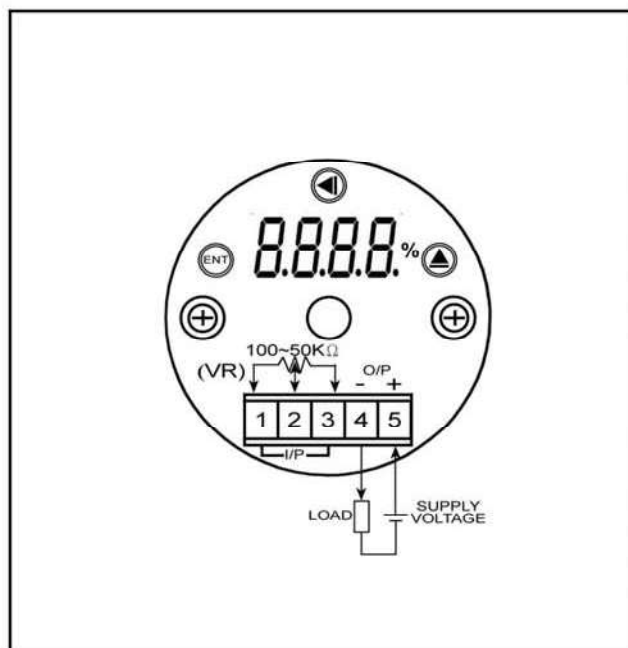
1.MODEL:TWP

(選購型號)

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(<20.32mA)
- 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 (最大值調整範圍) : 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 20.32mA
- 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 E² 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-VO)
- Construction (安裝方式) : Head-mounting(DIN type B head)
- CE EMC Certification (CE認證) : EN 55022:1998/A1:2000 Class A
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