

HEAD-MOUNTED TWO-WIRE TEMPERATURE TRANSMITTER

MODEL
TW



■ FEATURES

- Accuracy 0.1%F.S.(Pt-100),0.2%F.S. ± 0.5 (CJC)(TC)
- Input range(-1999~9999)/Display unit(,)canbemodify
- Burnout protection function, upscale the outpu current limit of approximately 20.32mA
- Field-rangeable supper voltage from 10 to 30V
- $R_L(\text{max.})=(V_{\text{supply}}-9V)/20\text{mA}$, up to 750 ohms at 24VDC
- Low cost and high stability

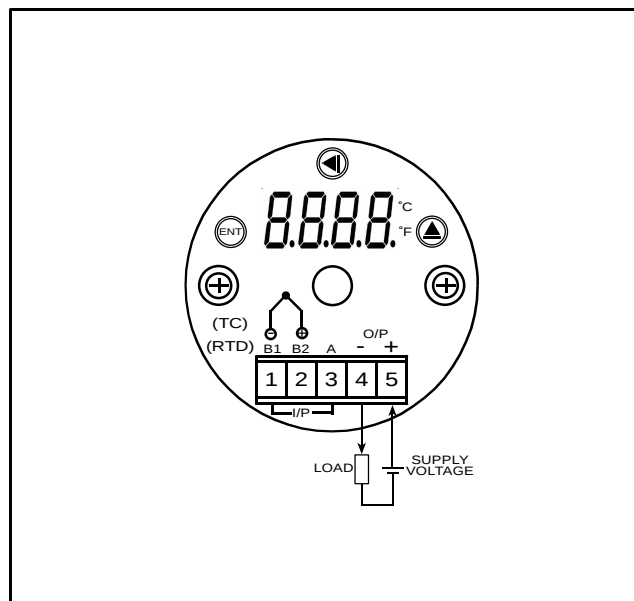
1.MODEL:TW-□

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

- Measuring accuracy : 0.1% F.S.(Pt-100)(23 ± 5)
0.2% F.S. ± 0.5 (CJC)(Thermocouple)
- Cold junction compensation accuracy : $< \pm 0.5$ (0~70)
- Supply voltage : DC 10 to 30V($<20.32\text{mA}$)
- Sensor exciting current : $<1\text{mA}$ (RTD)
- Analog output span-according display range : -1999~+9999 digit adjustable
- Analog output zero-according display range : -1999~+9999 digit adjustable
- Response time : $<250\text{ms}$ (0~90%)
- Output load capability : $R_L(\text{max.})=(V_{\text{supply}}-9V)/20\text{mA}$
(up to 750 ohms at 24VDC)
- Output ripple(p-p) : $<0.1\%$ F.S.
- Offset range : 0~ ± 99 digit adjustable
- Span range : 0~ ± 199 digit adjustable
- Temp. coefficient : 50ppm/ (0~50)
- Burnout protection : Upscale the output current limit
of approximately 20.32mA
- Display : 7-segment LCD charactor high 5.5mm(.216")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/case)
- Reverse voltage protection : Included as stardard
- Case materials : PBT(UL94-VO)
- RFI protection : 2W-150MHz at 2 meter causes less
than 0.5% change in output
- Operating condition : -5~60 (20 to 90% RH non-condensed)
- Storage condition : -10~70 (20 to 90% RH non-condensed)
- Construction : Head-mounting(DIN type B head)
- CE EMC Certification : 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



4.DIMENSION (unit:mm)

