

HEAD-MOUNTED TWO-WIRE POTENTIOMETER TRANSMITTER

MODEL
TWP



FEATURES

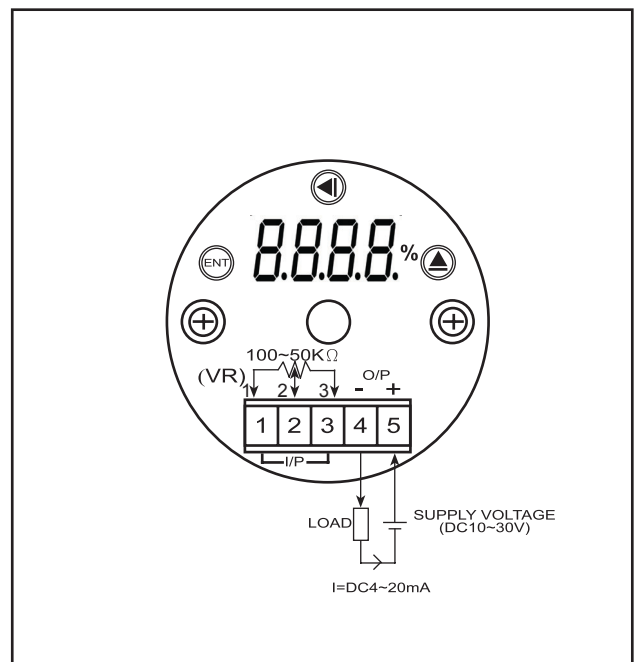
- Accuracy 0.1%F.S.
- Wide input ranges from 100 ohm to 50K ohm(3-wire)
- Output range (-1999~9999) can be modify
- Burnout protection function, upscale the outpu current limit of approximately 21mA
- Field-rangeable supper voltage from 10 to 30V
- Output DC4~20mA, $R_L(\max.) = (V_{\text{supply}} - 9V) / 20\text{mA}$, up to 750 ohms at 24VDC
- Low cost and high stability

1.MODEL:TWP

2.SPICIFICATION

- Measuring accuracy : 0.1% F.S. ($23 \pm 5^\circ\text{C}$)
- Output current (supply voltage) : DC 4~20mA (DC 10 to 30V (<21mA))
- Sensor input ranges : 100 ohm~50K ohm(3-wire)
- Sensor Exciting voltage(current) : 120mVDC (<1.2mA)
- Analog output span-according display range : -1999~+9999 digit adjustable
- Analog output zero-according display range : -1999~+9999 digit adjustable
- Response time : <250ms (0~90%)
- Output load capability : $R_L(\max.) = (V_{\text{supply}} - 9V) / 20\text{mA}$
(up to 750 ohms at 24VDC)
- Output ripple(p-p) : <0.05% F.S.
- Zero (offset) range : 0~±99 digit adjustable
- Span (scale) range : 0~±199 digit adjustable
- Temp. coefficient : 50ppm/°C (0~50°C)
- Burnout protection : Upscale the output current limit
of approximately 21mA
- Reverse-voltage protection : Included as standard
- Display : 7-segment LCD charactor high 5.5mm(0.216")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/case)
- RFI protection : 2W-150MHz at 2 meter causes less
than 0.5% change in output
- Operating condition : -5~60°C (20 to 90% RH non-condensed)
- Storage condition : -10~70°C (20 to 90% RH non-condensed)
- Case materials : PBT(UL94-VO)
- 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 CONNECTION



4.DIMENSION (unit:mm)

