

TP04/TD04



2-wire / Digital Temperature Transmitter for Duct Type

APPLICATIONS

Features

- SS housing, all-in design with anti-condensation function and good heat dissipation.
- Good measuring repeatability and anti-interference.
- M12 connector, easy and quick to use.

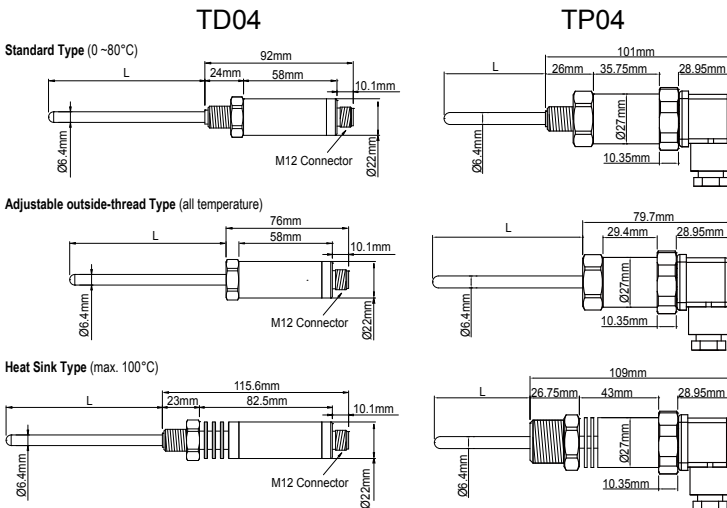
Applications

- Monitoring for long-distance temperature signal transmission.
- Signal transfer from PT sensor to 4-20mA.
- For industries in heating / ventilation / air conditioning / cooling / water power/ electricity, etc.
- For process in agriculture / green house / environmental engineering / food / pharmaceutical industry.
- Machinery manufacturing / storage tank / compressor / hydraulic equipment.



Product Type	Installation	Input	Output	Process Connection	length (L)	Temperature Range	Housing	Option
P : 2-wire type D : digital type	04 : duct-mounting	1 : PT100Q (TP04) 2 : PT1000Ω (TD04)	1 : 4~20mA (2-wire)	2 : outside thread R1/4" 4 : outside thread R1/2" A : adjustable outside thread R1/4" B : adjustable outside thread R1/2" 0 : w/o outside thread / special thread	1 : 50mm 2 : 100mm 3 : 150mm 4 : 200mm 0 : made to order	1 : -50~+50°C 2 : -50~0°C 3 : 0~50°C 4 : 0~100°C 5 : 0~200°C W : special span	N : standard 0 : heat sink	N : none

DIMENSION



TECHNICAL SHEET

INPUT

Input..... TP04: PT100Ω ; TD04: PT1000Ω class A
 PT100Ω sensor current < 0.8mA
 ZERO adjustment range..... ±0.5 %
 SPAN adjustment range ±10 %
 TP04: ±10%/ TD04: computer calibration

OUTPUT

Output..... 4~20mA ; 2-wire
 Accuracy..... ±0.5 % of F.S.
 Load resistance ≤ (supply voltage - 8V) / 0.02A Ω
 Power stability ± 0.025%/V
 Temperature drift < ±0.015% fs / °C
 Calibration temperature..... 20~28°C
 Response time..... < 250 ms

PROTECTION

PT100Ω signal disconnection protection & output..... TP04: > 23mA ; TD04: 22mA
 PT100Ω signal short circuit protection & output TP04: < 3mA ; TD04: < 3.6mA
 Output polarity protection Yes

ELECTRICAL REGULATION

Power supply..... 10~30 VDC
 Working environment..... -20~80°C ; 100% rh (non-cond.)
 Storage temperature..... -40~85°C
 Electrical connector..... TP04: DIN 43650 ABS / TD04: M12 connector
 Protection degree TP04: IP 65 ; TD04: IP 67
 Housing SUS304
 Weight 50mm - TP04: 250g / TD04: 180g
 200mm - TP04: 260g / TD04: 200g
 Option 30mm / 80mm / 130mm / 180mm R1/2" sleeve

CONNECTION DIAGRAM

