



DESCRIPTION

The TT is a robust temperature transmitter designed for measuring temperature in hydraulic applications. The two sensing element options, solid state (standard) and PT1000 offers versatility for performance and price. The sensor provides an analog 4 to 20 mA output. The TT series is ideal for harsh environmental conditions.

FEATURES

- Robust design
- IP 65 rated
- Solid state sensing or PT1000

APPLICATIONS

- Industrial applications
- Hydraulic Power units
- Gear Box
- Lubrication systems

Specifications

	Solid State	PT1000
Measuring Principle	Solid State	PT1000
Accuracy (Full Range)	≤ 1% FS	≤ 0.8% FS
Accuracy (Room Temperature)	≤ 0.5% FS	≤ 0.4% FS
Supply Voltage	8 to 30 VDC	8 to 30 VDC
Measurement Unit	°F, °C	°F, °C
Ambient Temperature Range	-40°F to 257°F (-40°C to 125°C)	-40°F to 257°F (-40°C to 125°C)
Max Pressure	1800 psi (124 BAR)	1800 psi (124 BAR)
Output Signal	4 - 20mA	4 - 20 mA
Power On Time	< 1 sec	< 1 sec
Temperature Drift	0.001% FS/°C / 1000 hrs	0.001% FS/°C / 1000 hrs
Electrical Connector	43650A (IP65)	43650A (IP65)
Protection	Overvoltage, Short Circuit, Reverse Polarity	
Housing Material	Nickel plated brass	Nickel plated brass
Weight	0.37 lbs (0.17 kg)	0.37 lbs (0.17 kg)

Wiring Code

	4 - 20 mA	
	Supply +	Supply -
HC - DIN 43650A	Pin 1	Pin 2

Ordering Information

Example

TT - ¹S - ²N25/100C - ³2 - ⁴8M32 - ⁵HC

1 - Sensing Element:

- S - Solid State (Standard)
- P - PT1000 (optional)

2 - Temperature Range:

- N25/100C - -25°C to 100°C (-13°F to 212°F)
- 0/100C - 0°C to 100°C (32°F to 212°F)
- 0/300F - 0°F to 300°F (-17°C to 149°C)

3 - Output:

- 2 - 4 - 20mA

4 - Threads:

- 8M32 - 1/2 NPT thread
- 8G32 - 1/2 BSPP thread with viton seal

5 - Electrical Connector

- HC - DIN 43650A

Dimensions

