



Multipoint or Average Temperature Signal Converter

(Pt-100, Pt-1000)

TT90

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TT90 Model signal converters are industrial devices that take precise and reliable measurement designed to measure minimum of 4 and a maximum of 16 temperature data for inventory management and control and to take the average of these temperatures. It has RS485 Modbus RTU or two-wire 4-20 mA Analog Output for each channel. It is provided with Ex-Proof feature in areas with explosion risk. In standard production, it is provided with IP67 in-head. It offers precise and high accuracy measurement. It provides compact and easy installation.

Device Features

- 16 pcs Sensor Input (Pt-100)
- 16 pcs Two Wire Analog Output (4-20mA)
- 1 pcs Two-Wire Analog Output for Average (4-20mA)
- 24V Supply
- 1 pcs RS485 Modbus Communication

Input Types

Sensor Type	Standard	Min.	Max.
Pt-100 Resistance Thermometer	DIN 43760	-200 °C	850 °C
Pt-1000 Resistance Thermometer	DIN 43760	-70 °C	500 °C

Technical Specifications

Power Supply (PS)	10-35 VDC
Input	Resistance Thermometer = Pt-100, Pt-1000
Analog Output	Current : 4-20mA
Memory	100 years, 100.000 renewals
Accuracy	+/- 0,2%
Sampling Time	100 ms
Environment Temperature	Working = -20...+70°C Storage = -40...+85°C



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Element Class : _____
 A = A Class
 B = B Class

Element Type : _____
 1 = Pt-100
 2 = Pt-1000

Number of Elements : _____
 4 = 4 Pcs
 5 = 5 Pcs
 6 = 6 Pcs
 7 = 7 Pcs
 : :
 16 = 16 Pcs

Outer Protective Sheath Material : _____
 B = 1.4571 DIN Stainless
 (Unbraided Metal Hose)

Outer Protective Sheath Diameter : _____
 10 = 10 mm, Inner Diameter = 6.3 mm
 14 = 14 mm, Inner Diameter = 10.1 mm
 16 = 16 mm, Inner Diameter = 12.2 mm
 21 = 21 mm, Inner Diameter = 15.6 mm
 25 = 25 mm, Inner Diameter = 18.8 mm

Outer Protective Sleeve Length: _____
 100 = 1 m
 200 = 2 m
 300 = 3 m
 : :
 1000 = 10 m
 1100 = 11 m
 : :
 2000 = 20 m

Connection Box :
 IP67 Aluminum Box
 IP66 Ex-Proof Box

Rope Connection:
 A = Aybold (Stainless)
 K = Metal Billet (Stainless)

Process Connection :
 RX = Raccord
 FX = Flange
 Note: Contact our company for
 process connection measurement.

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