

**TC-BLOCK - THERMOCOUPLE TEMPERATURE TRANSMITTER  
4 TO 20 MA, TC. TEMPERATURE TRANSMITTER**



**MAIN FEATURES**

- *4:20 mA , 2-wire Thermocouple Temperature transmitter*
- *Configurable span*
- *Zero Point adjustment*
- *2 points calibration*
- *Up to 1200 Deg C.*
- *Turn down 25:1*

**DESCRIPTION**

TC BLOCK is a loop powered, configurable Temperature transmitter. measures the Temperature by means of a **Thermocouple** Temperature sensor (Type of Thermocouple to be specified when order).

TC BLOCK is used in food, chemical and petrochemical industries , machine and hydraulic applications etc.

Remote connections and wide range of process connections together with the configurable facilities make TC BLOCK is the ideal choice for all Temperature measuring applications. The mounting of the Temperature Transmitter ensures fast response time and high measuring accuracy.

**TECHNICAL DATA****Temperature range**

Up to 1200 deg C.

**Output signal**

Signal span 4...20 mA , 2-wire

**Output limits**

3.5...23 mA

**Characteristic**

Linear

**Accuracy**

< 0.25% f.s.

**Isolation voltage**

500 Vac

**Operating temp.**

-40-70°C

**Storage temp.**

-40-70°C

**Zero temp. coefficient**

0.04%F.S. /°C

**Span temp. coefficient**

0.04%F.S. /°C

**Insulation resistance**

> 200Mohm/250VDC

**Vibration**

20g (20--5000HZ)

**Shock**

100g, 10ms

**Response time**

≤1ms(10% to 90%F.S.)

**ELECTRIC CONNECTION**

PIN 1 –	+ Input Power (24VDC Typical)
PIN 2 –	Ground
PIN 5 –	TC +
PIN 6 –	TC -

HOW TO ORDER

**TC BLOCK – AA – BB – OPTIONS**

AA – TYPE OF THERMOCOUPLE

BB - TEMPERATURE RANGE , PLEASE WRITE DIRECTLY

OPTIONS - PLEASE SPECIFY DIRECTLY.