

## Model MCT80A Temperature Transmitter Module



MCT80A temperature transmitter module is a temperature transmitter unit which can be on-site installed. It can be use in the junction box or fixed in the instrument box. It adopts two-wire output of 4~20mADC (or user specified). The products have already extensively applied in the petroleum, chemistry industry, metallurgy, electric power, textile industry, food processing etc.

### FEATURES

- Advanced non-linear adjustment circuit
- Floating self-adjustment circuit
- Sole anti-interruption circuit
- High accuracy cold end compensation circuit
- Anti-corrosive, high reliability

### SPECIFICATIONS

|                                |                                 |
|--------------------------------|---------------------------------|
| Range                          | -200℃~+1600℃                    |
| Accuracy                       | RTD±0.2%, Thermocouple±0.5%     |
| Power Supply                   | 24VC±10%                        |
| Output                         | 4-20mA、0-10mA、0-5V、0-10V etc.   |
| Humidity                       | ≤ 95% RH                        |
| Temperature float compensation | ± 0.05%/℃、± 0.025%/℃、± 0.01%/℃  |
| Load                           | 0-10mA: 0-1500Ω; 4-20mA: 0-600Ω |
| Stability                      | 2%/F.S/year                     |
| Response time                  | 10ms                            |

### ORDERING CODES:

|   |              |
|---|--------------|
| MCT80A-□-(℃)-□ Temperature transmitter Module |              |
|   | Sensor input |
| P   | RTD(Pt100)   |

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|  |   |                 |                |
|--|---|-----------------|----------------|
|  | C | RTD(Cu50)       |                |
|  | K | Thermocouple(K) |                |
|  | E | Thermocouple(E) |                |
|  | S | Thermocouple(S) |                |
|  | M | User specified  |                |
|  |   |                 | Range          |
|  |   | (°C)            | User specifies |
|  |   |                 | Signal output  |
|  |   | 1               | 4-20mA         |
|  |   | 2               | 0-10mA         |
|  | 3 | 0-5V            |                |
|  | 4 | 1-5V            |                |