

- Accuracy:  $\pm 0.2\%$  F.S.  $\pm 0.5^{\circ}\text{C}$  (Cold junction compensation);  $0.1\%$  F.S. (PT-100)
- Measuring Temperature (TC) sensors for K, J, E, R, S, B, T, PT-100
- Measuring sensor disconnection
- **High brightness 0.4" LED display** range: -1999~9999
- $^{\circ}\text{C}/^{\circ}\text{F}$  unit selectable
- 2 alarms output / RS-485 communication optional
- Din rail mounting available, easily installation



**SPECIFICATION**

- ◆ Accuracy: 0.1% F.S. (PT-100)  
0.2% F.S.  $\pm 0.5^{\circ}\text{C}$  (CJ compensation)
- ◆ Display Screen: High brightness red LED; 10.16mm (0.4")
- ◆ Sampling Cycle: 16 cycles / sec
- ◆ Display Range: -1999~9999
- ◆ Over Range Indication: doFL or -doFL
- ◆ Disconnect. Indication: Automatic with "OPEn" indication
- ◆ Parameters Setting: Push buttons
- ◆ Exciting Power: DC 15~30V
- ◆ Open Collect Output: DC 30V; 30mA max.
- ◆ Alarm Action: " $\geq$  (Hi) on" or "< (Lo) on"
- ◆ Alarm Run Delay Time: 0~99 sec
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 9600 / 4800 / 2400 bps
- ◆ Temp. Coefficient: 100ppm /  $^{\circ}\text{C}$  (0~60 $^{\circ}\text{C}$ )
- ◆ Operating Temperature: 0~60 $^{\circ}\text{C}$ ; 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}\text{C}$ ; 20~90% RH (non-condensing)
- ◆ Power Supply: DC 12/24/30~90V
- ◆ Surge Test: 1.5KVac / 1min (Input / Output / Power)
- ◆ Material: Sensor: Steel 316  
Head mount: Aluminum  
Display housing: ABS

**ORDER INFORMATION**

MGTB - Code1 - Code2 Code3

| Code1 | Input Type      | Code2 | Analog Output   | Code3 | Wire Length |
|-------|-----------------|-------|-----------------|-------|-------------|
| T1    | K、J、E type      | A     | 4-20mA          | N     | None        |
| T2    | R、S、B、T type    | Y     | O.C.*2 & RS-485 | S     | 1M          |
| T3    | PT-100 $\Omega$ |       |                 | O     | Option      |

\*4-20mA output without wire length.

**WIRING CONNECTION**



**DIMENSION**

