



## eM073 4 Channel PT100 CAN Module

eM073 is a compact CAN module which can be used to handle up to 4 PT100 sensors.

### MAIN FEATURES

- ◆ Temperature Measurement Range: -50 ... +850 °C
- ◆ Temperature Resolution: +/- 0.1°C
- ◆ Maximal Refresh Rate: 20 Hz
- ◆ PT100 types supported: all 2-wires models
- ◆ Self Diagnostic features
- ◆ CAN protocol 500 kbit/s or 1Mbit/s (configurable)
- ◆ Fully programmable with eMoticom PC Software **Caltool**
- ◆ Battery Voltage and Internal Temperature internally Sensed
- ◆ Operative voltage: 8-16V (with reverse polarity protection)
- ◆ Operative Ambient Temperature Range: -40 ... +105°C
- ◆ Size: 53 x 43 x 13 mm
- ◆ Weight: about 50g

### PINOUT

eM073 Side Connector: **JST 04T-JWPF-VSLE-S**  
**WIRING** Side Connector: **JST 04R-JWPF-VSLE-S**  
**WIRING** Side Pin: **JST SWPR-001T-P025**

| PIN | SIGNAL | FUNCTION            |
|-----|--------|---------------------|
| 1   | +VCC   | +12V Power Supply   |
| 2   | CAN H  | CAN H Line          |
| 3   | CAN L  | CAN L Line          |
| 4   | GND    | Ground Power Supply |

eM073 Side Connector: **JST 08R-JWPF-VSLE-D**  
**WIRING** Side Connector: **JST 08T-JWPF-VSLE-D**  
**WIRING** Side Pin: **JST SWPT-001T-025**

| PIN | SIGNAL    | FUNCTION          | PIN | SIGNAL    | FUNCTION          |
|-----|-----------|-------------------|-----|-----------|-------------------|
| 1   | PT100 #1+ | PT100 Probe 1 (+) | 5   | PT100 #1- | PT100 Probe 1 (-) |
| 2   | PT100 #2+ | PT100 Probe 2 (+) | 6   | PT100 #2- | PT100 Probe 2 (-) |
| 3   | PT100 #3+ | PT100 Probe 3 (+) | 7   | PT100 #3- | PT100 Probe 3 (-) |
| 4   | PT100 #4+ | PT100 Probe 4 (+) | 8   | PT100 #4- | PT100 Probe 4 (-) |

