



**SEMAPHORE**



## **Semaphore MS-6RTD Input Module For T-BOX MS Modular System**

Now you can directly connect temperature measurements to the T-BOX MS Modular System without the added cost and integration work involved with converters or transmitters. The MS-6RTD Input Module interfaces to six RTDs, two- or three-wire, and is ideal for processes using multiple temperature measurements.

The MS-6RTD operates in conjunction with 16- and 32-bit processors, is plug-compatible with other T-BOX MS option cards, and readily drops into existing installations.

### **BENEFITS**

- Cost effective for systems using multiple RTD inputs
- Direct connection of RTDs simplifies installation
- High accuracy is suitable for demanding processes
- Wide operating temperature range allows use in outdoor and rough service environments
- Noise immunity and isolation allow operation in industrial applications
- Support of multiple RTD types provides broad applicability
- Pre-programmed DIN curves for RTD types linearize inputs and simplify programming
- The MS-6RTD is fully supported by the TWinSoft programming environment

### **APPLICATIONS**

- Building and facilities management
- Energy management
- Mobile asset management (engines, compressors, generators, etc.)
- Oil and gas production and pipeline operations
- Power generation and transmission
- Utility monitoring and control

## SEMAPHORE MS-6RTD INPUT MODULE SPECIFICATIONS

Number of inputs	6 RTD input channels
RTD types supported	Pt-100E @ -100 to 850C Pt-100A @ -100 to 850C Pt-1000 @ -100 to 850C Ni-100 conforming to DIN 43760 Ni-1000 conforming to DIN 43760
RTD type configuration	Selectable on a per-point basis
RTD wiring configuration	2- and 3-wire types are supported
Accuracy	±0.3% full scale
Resolution	Configurable to 0.1 degree C or 0.1 degree F
Update rate	Once per second for all six channels
Input isolation	1500 VAC Input channel-to-backplane bus
Operating conditions	-20 to +70 degrees C (-4 to +158 degrees F)
Storage conditions	-40 to +85 degrees C (-40 to +185 degrees F)
Humidity	15 to 95% RH non-condensing
Dimensions	150H x 83D x 29W mm (5.9H x 3.27D x 1.14W inches)
Weight	300g (10.58 oz)
TWinSoft compatibility	Version 10.02 or later
Product reference	MS-6RTD

[www.cse-semaphore.com](http://www.cse-semaphore.com)

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