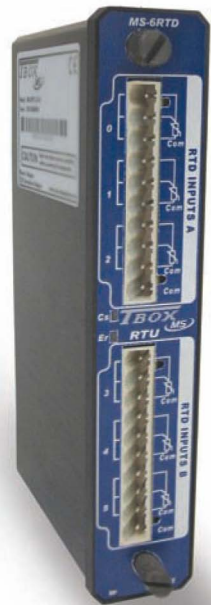




## Semaphore MS-6RTD Input Module



### 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

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