

## MMTCP6RTD - 6 RTD Input Module

The MMTCP6RTD module is a 6 RTD input module. The module can accommodate either 2 or 3 wire RTD sensors. The RTD inputs are isolated from the logic.

The RTD resistance is read by the module circuitry, linearised and converted to degrees Centigrade. No ranging is required as the module covers the full range of the RTD. The value that is read from the Modbus register is the actual temperature in degrees centigrade to 0.1°C resolution. ie: a value of 3451 corresponds to a temperature of 345.1°C.

The RTD type is setup by writing a value to the RTD Type register . The value is obtained from the table below. For example to select a PT100 RTD, the value "1" must be written to the RTD Type register. All 6 RTD inputs adopt the same RTD type.



MMTCP6RTD – 6 RTD INPUTS	
Input	6 x RTD Inputs
RTD Types	PT100, Ni 120, PT1000, Ni1000 -DIN, Ni1000 Landys & Gyr
Connection	2 or 3 wire
Resolution	0.1 Deg.C
Sample rate	0.52 samples/sec
Drift	100 ppm/Deg.C typ.
Isolation (Field & Logic)	1500VAC RMS