The **OmniAmp** inline temperature transmitter converts PT1000 or PT100 RTD inputs to a 4-20mA or MODBUS RS485 signal output.

This allows easy integration of RTD sensors into existing networks for communication with PLCs or SCADA systems. The **OmniAmp RTD** is configured using software via a USB interface. For the RS485 versions, configuration is also done via Modbus commands, generated automatically from a SCADA system. Versatile and compact, these transmitters are the ideal solution for adapting sensors to any environment.

Specification

Output:	4 to 20 mA or 20 to 4 mA, 2-wire type, loop-powered
	2 wire RS485 with MODBUS RTU protocol
Inputs:	Pt100 or Pt1000 for 4-20mA O/P or PT100 for RS485 O/P
Connection:	3-wire Pt100 or Pt1000
Typical accuracy:	0.1 % @ 25 °C (77 °F)
Operating temperature:	40 to 85 °C (-40 to 185 °F)
Housing material:	Polyamide, rated IP 67 with cable gland and M12 output connector
Output connector:	M12 4 pin male connector, IP67

- **Configurable measuring range from -200 to 650 °C (-328 to 1202 °F) for 4-20mA**
- **Configurable measuring range from -200 to 600 °C (-328 to 1112 °F) for MODBUS RS485**

- **Commissioning via SigNow software with USB-i485 converter or Modbus commands**