

Analog Acquisition Modules

RMS1



RMS1 is a family of analog acquisition modules, with serial communication in Modbus protocols ASCII/RTU or Hostlink (Omron®).

Using RMS1, it's possible to acquire in an accurate and unexpensive way, analog variables such as Voltage, Current, Temperature, through serial protocols like Modbus ASCII/RTU or Hostlink (Omron®). It provides an integral solution to remote monitoring application, without the need to add additional modules.



CHARACTERISTICS

- 8 differential input channels:
 - Current: 4-20 ma (12 bits)
 - Voltage: 0-10 Vdc (12 bits)
 - Temperature, PT100 (0.1 °C)
 - Temperature, Thermocouples J,K,T,R,N,E,S (0.1 °C)
- Configurable serial protocol
 - Modbus ASCII/RTU slave.
 - Hostlink master (OMRON®)
- Wide range of power supply, from 10 up to 30 Vdc
- Easy configuration
- Industrial pluggable terminal blocks
- DIN rail mounting



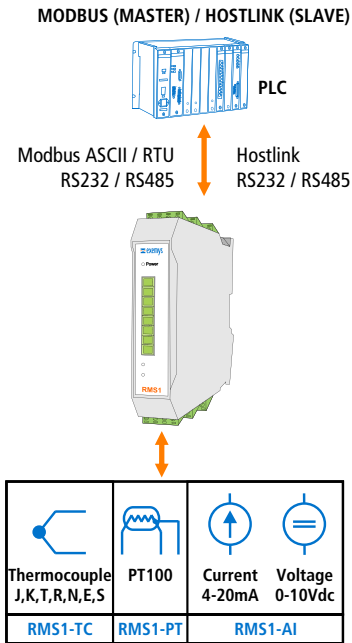
EXAMPLES OF USE

- Analog sensors general systems
- Remote systems monitoring
- Industrial automation
- PLCs and SCADA systems

RMS1



TECHNICAL FEATURES



- Serial Protocol:**
 - Modbus ASCII / RTU Slave in RS485 or RS232
 - Hostlink Master (OMRON®) in RS485 or RS232
 - Galvanic Isolation in RS485 port
- Management:** Serial console RS232
- Indicators:**
 - Power Led
 - Data Led
 - Fail Led
- Isolation:** 2500 Vrms (1 minute)
- Power Supply:**
 - 10 a 30 Vdc
 - Current sink: 200mA @ 10 Vdc
 - 90mA @ 30 Vdc
- Dimensions / Weight:** 100mm x 22,5mm x 112mm (Height x Width x Length).
- Temperature:**
 - Operating Temperature: 23 to 149 °F (-5 to 65 °C)
 - Storage Temperature: -40 to 167 °F (-40 to 75 °C)
- Guarantee:** 1-year guarantee. Technical support included.
- Garantía:** Garantía de 1 año



PARTICULAR SPECIFICATIONS

MODEL	INPUT	RESOLUTION	SAMPLING
RMS1-AI	4-20 mA / 0- 10 Vdc	12 Bits	100 ms per channel
RMS1-TC	Thermocouples J,K,T,R,N,E,S	0,1 °C	200ms per channel
RMS1-PT	PT100	0,1 °C	200 ms per channel



ORDERING INFORMATION

PART NUMBER	INPUT	PROTOCOLS	SERIAL PORTS
RMS1-AI-110-00-80-IA3-MBHL	8	MODBUS ASCII / RTU (slave) Hostlink (Master)	1 RS232 / 1 RS485
RMS1-TC-110-00-80-IA3-MBHL	8	MODBUS ASCII / RTU (slave) Hostlink (Master)	1 RS232 / 1 RS485
RMS1-PT-110-00-80-IA3-MBHL	8	MODBUS ASCII / RTU (slave) Hostlink (Master)	1 RS232 / 1 RS485

Certificate of registration ISO 9001:2008



GESTION
DE LA CALIDAD

RI-9000-6174



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