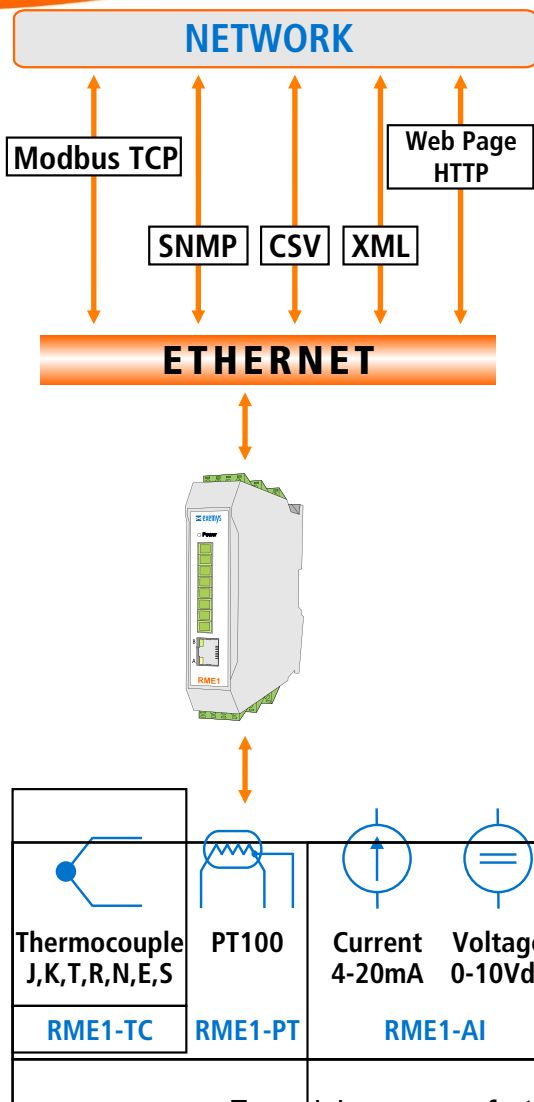


# RME1

## Analog Acquisition Modules

Analog Acquisition Modules with multiple Communication Protocols.



With RME1 you can acquire analog variables through the network in an accurate and unexpensive way. The devices can convert Current, Voltage and Temperature. These variables can be read in five different ways simultaneously. (Modbus TCP, Web Page, SNMP, XML, CSV file).

### FEATURES

- 8 analog differential inputs
  - Current, 4-20mA (12 bits)
  - Voltage, 0-10Volts (12 bits)
  - Temperature, PT100 (0.1 °C)
  - Temperature, Thermocouple J, K, T, R, N, E, S (0.1 °C)
- Protocols
  - ModbusTCP (up to 8 simultaneous connections)
  - Web Page (HTTP)
  - SNMP (V1)
  - XML (HTTP)
  - CSV (HTTP)
- Wide Range of Power Supply, from 10 up to 30 Vdc
- Easy configuration
- Industrial pluggable terminal blocks
- DIN Rail mounting

For pricing or any further information, please contact Omni Instruments Ltd.



Measurement and data acquisition solutions

#### Contact Details:

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Dundee, DD2 4UH.

## EXAMPLES OF USE

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



## General Specifications

- **Network Interface:** Ethernet 10BaseT, connector RJ45
- **Network Protocols:**
  - TCP / IP, ICMP, ARP, DHCP, NBNS, TELNET
  - HTTP
  - Modbus TCP
  - SNMP (version 1)
- **Serial Port:** RS232 serial port in pluggable terminal blocks for device configuration.
- **Management:**
  - HTTP Server, password protected.
  - Telnet console , password protected.
  - Serial console.
- **Indicators:** Power Led, Data Led, Link Led.
- **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: -5 a 65°C
  - Storage temperature de : -40 a 75°C
- **Warranty / Support:** 1 year warranty. Technical support included.

## Particular Specifications

MODEL	INPUT TYPE	RESOLUTION	SAMPLING
RME1-AI	4-20mA / 0-10Vdc	12 Bits	100ms per channel
RME1-TC	Thermocouple J, K, T, R, N, E, S	0,1°C	200ms per channel
RME1-PT	PT100	0,1°C	200ms per channel

## ORDERING INFORMATION

PART NUMBER	INPUTS	PROTOCOLS	SERIAL PORTS
RME1-AI-100-00-80-IA3	8	See specifications	1 RS232 (*)
RME1-TC-100-00-80-IA3	8	See specifications	1 RS232 (*)
RME1-PT-100-00-80-IA3	8	See specifications	1 RS232 (*)

(\*) Configuration serial port

QUALITY MANAGEMENT SYSTEM ISO 9001:2000



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