

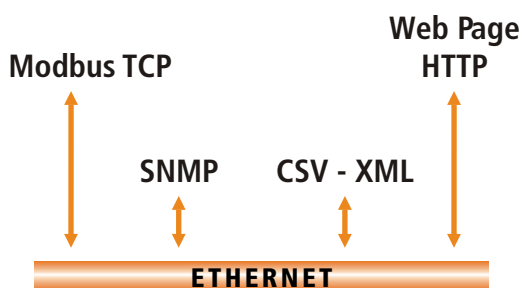
RME1-AI

Analog Variables Acquisition Module

Acquired information can be read through Ethernet in four different ways.



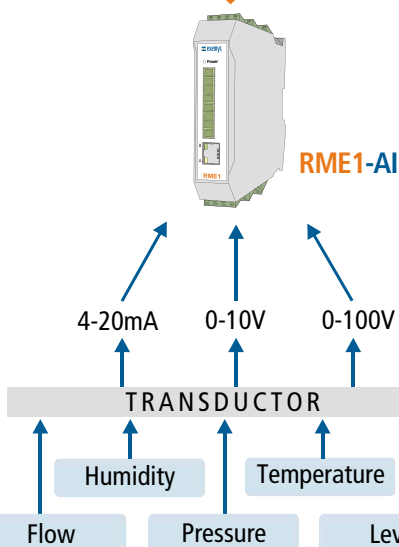
4 Different ways of work



With RME1-AI you can acquire analog values in 4-20 mA, 0-10 Volts or 0-10 Volts format in an accurate and unexpensive way through Ethernet in four different ways (Modbus TCP, Web Page (HTTP), SNMP, CSV, XML).

FEATURES

- 8 Configurable analog differential 12 bit inputs: 4-20 mA, 0-10 Volts.
- Special version with 0-100 Volts inputs for battery voltage monitoring.
- Protocols over Ethernet:
 - Modbus TCP
 - Web Page (HTTP)
 - SNMP (V1)
 - CVS / XML
- Allows up to 8 Modbus TCP connections.
- 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 supervision.
- Battery voltage monitoring.
- Data acquisition general application.
- Remote monitoring systems.
- PLC and SCADA systems.
- Industrial automation.
- Data center monitoring



ISO 9001:2000



SPECIFICATIONS

• Analog / Digital Specifications:	12bit, 4096 steps.
• Sampling Rate:	10 samples per second per channel.
• Analog Inputs:	4-20mA ($Z_i=150\Omega$), 0-10V or 0-100V.
• Input type and quantity:	8 differential mode analog inputs. *
• Network Protocols:	- TCP / IP, ICMP, ARP, DHCP, NBNS, HTTP. - TELNET. - ModBus TCP. - SNMP (version 1). - CSV / XML.
• Network Interface:	Ethernet 10BaseT, RJ45 connector.
• Serial Port:	RS232 serial port in pluggable terminal blocks for device's configuration.
• Supported Devices:	Any RS232 / RS485 serial port analog device requiring remote Modbus TCP supervision.
• Managment:	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 emperature de : -40 a 75°C
• Guarantee / Support:	1 year guarantee. Technical support included.

* Valid for model RME1-AI-100-00-80-IA3. In the case of using the 0-100 Volts model, the 8 inputs works in common way.

ORDERING INFORMATION

PART NUMBER	INPUTS	PROTOCOLS	SERIAL PORTS	INPUT TYPE
RME1-AI-100-00-80-IA3	8	See Specifications	1 RS232 (*)	4-20mA 0-10V.
RME1-AI-100-00-80-IA3-V100	8	See Specifications	1 RS232 (*)	0-100V.

(*) Configuration serial port