

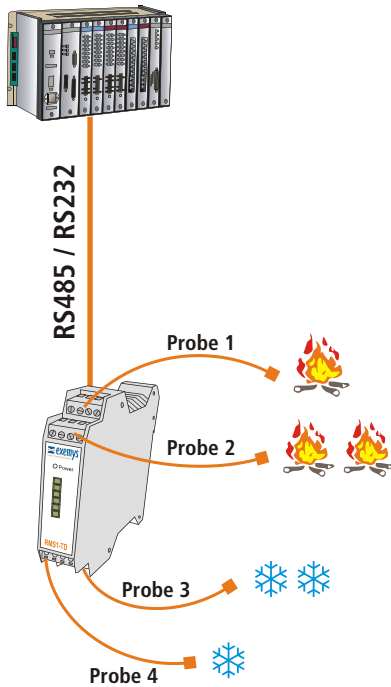
RMS1-TD

Quad temperature meter
with Modbus interface
-55 to +125°C

RMS1-TD is a temperature acquisition module with serial slave Modbus communication.



Accurate, yet inexpensive means of obtaining temperature readings through slave Modbus RTU. Provides an end-to-end solution for remote monitoring applications. No additional modules required.



FEATURES

- 4 inputs for temperature probes.
- Serial slave Modbus protocol.
- RS232 or RS485 communication (depending on the model).
- Temperature range: -55°C up to 125°C
- Wide power supply: 10 up to 30 Vdc.
- Easy installation and address configuration (Modbus slave).
- Detachable industrial connector.
- DIN rail mounting.

TECHNICAL SPECIFICATIONS (ENCLOSURE)

- **Serial Protocol:** Modbus RTU slave.
- **Serial Port:** RS485/RS232 (depending on the model), detachable Industrial connector.
- **Compatible Devices:** Any device enabled with Modbus RTU master
- **Serial Comm Parameters:** 9600, 8, N, 1
- **Visual Signaling:** Power/Data reception from the RTU
- **Size / Weight:** 114 x 100 x 22,5 mm (HxWxL). 0,140 Kg
- **Power:** 10 a 30 Volts DC
200 mA max.
- **Enclosure Temperature:** Operating Temperature: -5 to 65 °C
Storage Temperature: -40 to 75°C
- **Guarantee / Support:** One year, including tech support

TECHNICAL SPECIFICATIONS (PROBE)

- **Measurement Temperature:** -55 to +125°C
- **Accuracy:** + – 0,5°C between -10 and + 85°C
- **Probe Type:** Temperature sensor with digital serial data output.
- **Max. Length:** 60 meters.
- **Cable Type:** Coated type, three wires, 0.25mm² (minimum).
Coating must be grounded.
- **Screw Thread:** 1/4" BSP

ORDERING INFORMATION

PART #	INPUTS	OUTPUTS	SERIAL PORT	INPUT TYPE
RMS1-TD-100-00-40-IA4-MB	4	MODBUS RTU (Slave)	1 RS232	Temp. Probe
RMS1-TD-010-00-40-IA4-MB	4	MODBUS RTU (Slave)	1 RS485	Temp. Probe.

PART #	DESCRIPTION
DTS-01	Digital Probe Temperature

APPLICATIONS

Temperature measurements in:

- Boilers
- Cold stores
- Tanks, pipes, hoppers, etc.
- Industrial machinery



Temperature Probe

ISO 9001:2000

