

TM4-485 & TM3-485



ver.0.1



Serial interface RS485 Modbus RTU

PRODUCT	TM4-485	TM3-485
	CONVERTER FROM Silicon Temp.Sensor TO RS485	CONVERTER FROM any PTC TO RS485
REFERENCE STANDARD		IEC 60751
Applications	<ul style="list-style-type: none"> • is the right completion for whom is using thermopile pyranometer • 2 input channel for temperature measurements (es. PV cell + Ambient) • Added measuring points for Large PV systems 	
Datalogger compatibility	Smartlogger 3000, Sungrow, Ermes, Higecco, Envolv and many others	
Measured values	Sensor1 -30 ÷ +85 °C toll. ± 3 °C	Sensor1 -40 ÷ +110 °C toll. ± 0.2 °C
	Sensor2 -30 ÷ +85 °C toll. ± 3 °C	Sensor2 -30 ÷ +110 °C toll. ± 0.2 °C
Calibration	From the factory of Silicon Sensor	Each TM3-485 is factory calibrated, with 2 points using precision reference resistances.
Resolution	2.1 °C	0.1 °C

Input	Silicon Sensor TM4	Any PT100 or PT1000 at 2-3-4 wires										
Output	<table border="1"> <thead> <tr> <th>Address</th> <th>Format</th> </tr> </thead> <tbody> <tr> <td>Sensor1 Temp.: 257</td> <td>1° PT100/1000 Temp 0.1°C</td> </tr> <tr> <td>Sensor2 Temp.: 258</td> <td>2° PT100/1000 Temp 0.1°C</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td colspan="2">For other values and status, refer to Instruction manual</td> </tr> </tbody> </table>		Address	Format	Sensor1 Temp.: 257	1° PT100/1000 Temp 0.1°C	Sensor2 Temp.: 258	2° PT100/1000 Temp 0.1°C			For other values and status, refer to Instruction manual	
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	Sensor1 Temp.: 257	1° PT100/1000 Temp 0.1°C										
	Sensor2 Temp.: 258	2° PT100/1000 Temp 0.1°C										
For other values and status, refer to Instruction manual												
Galvanically isolated from power supply												
Box Working temper.:	(-30 ÷ +85 °C)											
Power supply	8 ÷ 30 V dc consumption <60mA Protected against reverse polarity and overvoltage											
Operating humidity	0 ÷ 95% RH											
Protection	IP65 Electronic circuit sealed											
Connector	INPUT M12 8 pin FEMALE (three-way optional) OUTPUT M8 4 pin MALE											
Dimensions	97x64x34 mm											
Material	Box: aluminum											
Weight	200 gr											