

3S-MC-M-PT1000

Multi PT1000 Modbus Converter



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The Multi PT1000 Modbus Converter is part of the SEVEN product range, which includes professional, smart measurement devices for environmental and industrial applications such as PV installations.

Up to 8 PT1000 temperature sensors can be connected to the Multi PT1000 Modbus Converter. The connected PT1000 temperature sensors can be configured as either module or ambient temperature sensors according to customer requirements.

The measured values are transmitted to data loggers and other receiving units via serial RS485 interface with Modbus RTU protocol.

SEVEN products use reliable, high-quality components to provide accurate data. The Multi PT1000 Modbus Converter is designed specifically to meet the requirements of environmental and industrial applications.

Benefits and Features

- High Accuracy
- Flexible Sensor Assignment
- Fast & Simple to Install
- Low Power Consumption
- Free Software Update
- SEVEN Remote Setup Service
- SEVEN Customer Support
- 2 Year Warranty

Technical Specifications

	3S-MC-M-PT1000	3S-MC-M-PT1000-3T
Measured Data	Up to 8 Module or Ambient Temperature Sensors	Up to 3 Module or Ambient Temperature Sensors
Connectable Sensor Type	PT1000	
Measurement Range	-40°C...+85°C	
Accuracy	±0,1°C	
Resolution	0,1°C	
Output Rate	1/s	
Data Output	RS485 up to 38400 Baud	
Communication Protocol	Modbus RTU	
Power Supply	12...30 V DC (24 V DC recommended)	
Power Consumption	25 mA max. @ 24 V DC	
Cable Length and Features	3 m 2x2x0,22 mm ² , 24 AWG*, LI2YC11Y-TP PUR cable, UV and weather resistant, cable bending radius 35 mm	
Galvanic Isolation	1000 V between power supply and RS485 Bus	
Operating Temperature Range	-40°C ... + 85°C	
Operating Humidity Range	0...100% RH	
Dimensions	92 x 158 x 60 mm (W x L x H)	
Weight	240 g	
IP Rating	IP 67	
Material	ABS**	
Origin	TÜRKİYE	

* Recommended conductor size for the 3x2 cable: 26 AWG up to 10 m, 24 AWG up to 100 m, and 22 AWG up to 1000 m.

** As this product contains plastic parts, color changes may occur when exposed to direct sunlight.

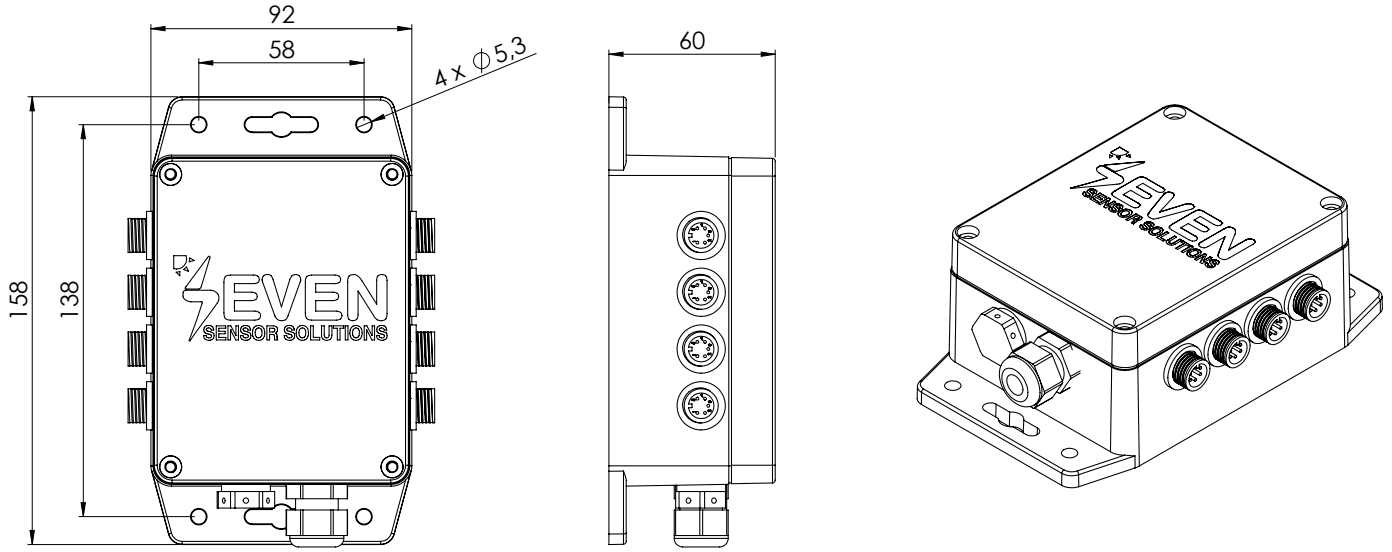
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Technical Drawings

Technical Drawing of 3S-MC-M-PT1000



Note: All dimensions are in mm.

*** SEVEN reserves the right to make modifications to this documentation without prior notice.