

4-CH RTD input module / RS485

Order Code: **FRTD4MB**



The **FRTD4MB** is an interface for platinum or nickel RTD sensors (PT100, PT1000 with 2-, 3-, or 4-wires). The number of inputs is 4 and each input is independent from each other. It functions as a Modbus Slave and can be seamlessly integrated with any Modbus Master device. A 3-way galvanic isolation among the power supply, input, and RS485 circuits ensures the integrity of your data. The configuration parameters can be set via DIP-switch.

Technical Specification

Power supply	10..32 Vdc With reverse polarity Protection
Power consumption	0,6 W
Isolation	Between Modbus Master, Slave 2.5 V rms/Power supply 1.5 KVDC for 1 minute per UL 1577
Accuracy	0.5NC (0.05% of Full Scale) max
Resolution	15-Bit
Operating Temperature	-10...+85 °C
Dimension (W x H x D)	114.6x99x22.6
Mounting	DIN-Rail

Communication

Interface	2 wire Isolated RS485/ ±15 kV ESD Protection
Speed	9600-115200
Protocol	Modbus RTU slave

Signals

Channel Numbers	4
Input type	PT100/PT100(Selectable)

Programming

DIP switches	Modbus ID, Speed
Software	Change Calibration Parameters