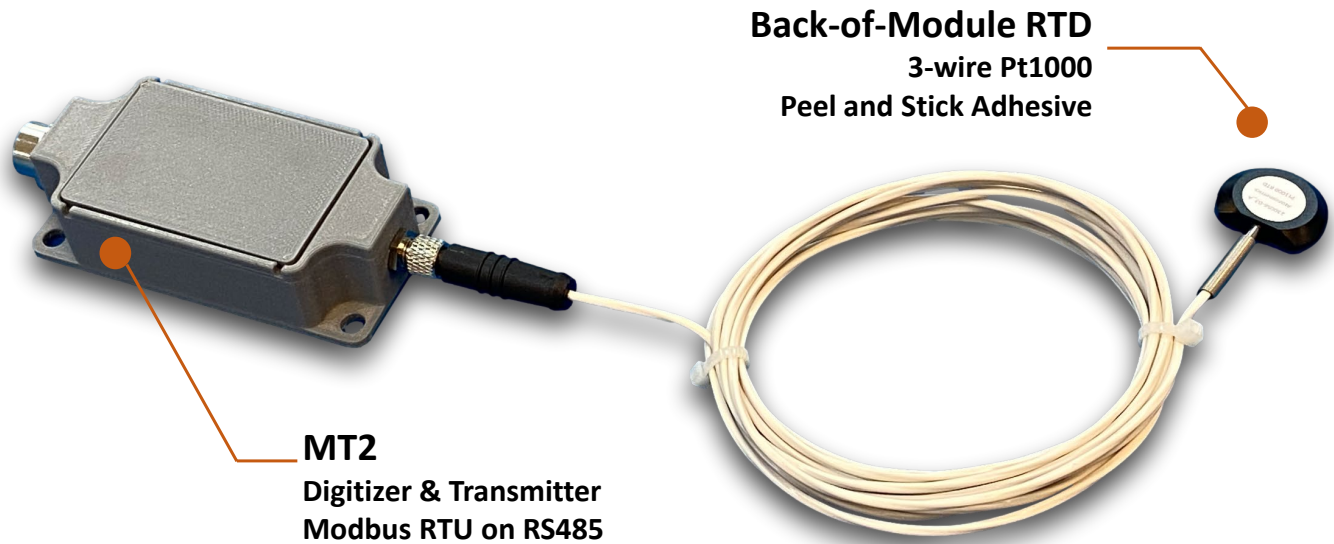


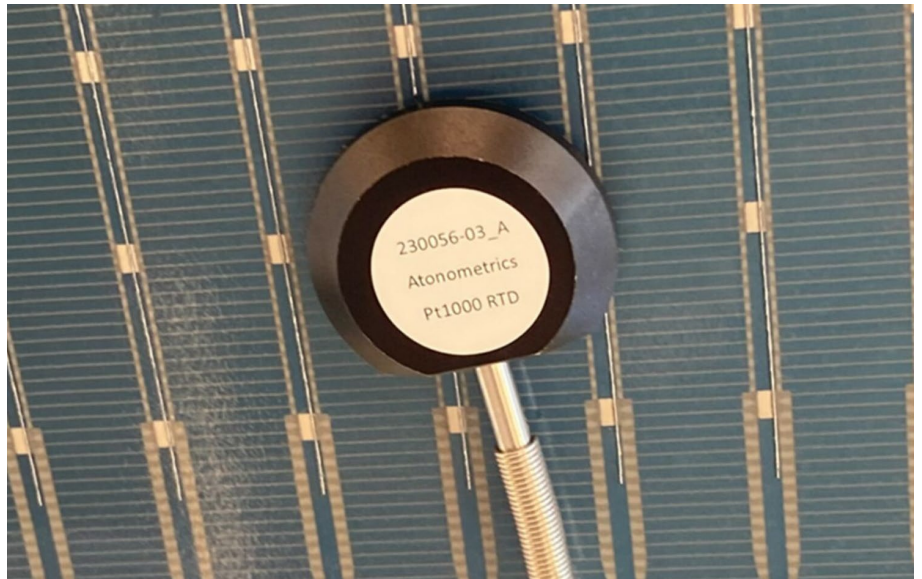
Digital Back-of-Module Temperature Measurement

Pt1000 3-Wire RTD with Modbus RTU Temperature Digitizer and Transmitter



Features

- Easy and accurate back-of-module temperature measurements
- Temperature measured with IEC 60751 Class A Pt1000 3-wire RTD
- Simple RTD installation on back of module using peel-and-stick self-adhesive layer
- Small RTD probe size compatible with IEC 61724-1 for bifacial rear-side use
- Compact RTD digitizer and temperature transmitter electronics in IP67 aluminum weatherproof enclosure
- Modbus RTU on RS485 output



Specifications

Main Data	Measurement range	-40 to 100 °C
	Input voltage	10-30 VDC
	Input power	<5 mA typical
Sensor	Sensing element	1000-ohm 3-wire Pt1000 RTD
	Accuracy	IEC 60751 Class A, $\pm (0.15 + 0.002t)$
	Stability	IEC 60751 Class A
	Probe	Anodized aluminum disc, 1.0 in (25 mm) diameter
	Cable Connector	M8 connector
	Cable Length	3 m standard length
Adhesive	Type	3M VHB 9473PC
	Thermal Conductivity	0.16 W/m-K
	Retention Force	> 9.8 N/cm
	Weather Resistance	Water, UV
Communication	Protocol	Modbus RTU over RS485
	Address	User-settable
Electronics	Dimensions	3.5 in x 1.8 in x 1.0 in [90 mm x 45 mm x 26 mm]
	Ingress protection	IP67
Standards		IEC 60751 Class A
		IEC 61724-1 Class A

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