

Modul MAX31865, PT100-/1000 digital Konverter



Artikel Nr.: N4832

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Temperatursensor-Modul SPI mit dem Baustein MAX31865, 2, 3, 4 Drahtanschluss, 3-5V ESP, RTD PT100-/1000. Modul für genaue Temperaturmessungen, Anwendungsbeispiele finden Sie im Netz. Abmessungen 28x26xH12 mm

[Download Datenblatt](#)

Technische Daten

- Simple Conversion of Platinum RTD Resistance to Digital Value
- Handles 100 Ω to 1k Ω ; (at 0°C) Platinum RTDs (PT100 to PT1000)
- Compatible with 2-, 3-, and 4-Wire Sensor Connections
- SPI-Compatible Interface
- 20-Pin TQFN and SSOP Packages
- 15-Bit ADC Resolution; Nominal Temperature Resolution 0.03125 $^{\circ}$ C (Varies Due to RTD Nonlinearity)
- Total Accuracy Over All Operating Conditions: 0.5 $^{\circ}$ C (0.05% of Full Scale) max
- Fully Differential VREF Inputs
- 21ms (max) Conversion Time
- $\pm$ 45V Input Protection
- Fault Detection (Open RTD Element, RTD Shorted to Out-of-Range Voltage, or Short Across RTD Element)

Preis : 15.60 EUR