Accessory device

RMT5 1-Wire Temperature Sensor

Parasite-powered (2-wire) DS18B20-PAR digital temperature sensor, with Ø6 × 50 mm stainless steel sleeve, 5 m cable and Molex Micro-Fit 3.0 connector.

Measures from -55 °C to +100 °C.

2-wire digital probe with stainless steel sleeve for the cold chain



Main Features

- ✅ **Just 2 wires**: Parasite power from the data line (GND and DATA).
- ✅ **Stainless steel sleeve**: 304 stainless steel, Ø6 × 50 mm.
- ✅ **±0.5 °C accuracy**: From -10 °C to +85 °C; 0.0625 °C resolution.
- ✅ **QR label**: Serial number in text and QR code to register each sensor.

Wiring

- ✅ **Pin 1 (black):** GND
- ✅ **Pin 2 (yellow):** 1-Wire DATA
- ✅ **Pins 3 and 4:** Not connected

Applications

- ✅ **Refrigerated transport**: Cargo box temperature, with alerts when out of range.
- ✅ **Cold rooms**: Fixed measurement in cold rooms, freezers and refrigerated warehouses.
- ✅ **Several compartments**: Up to 8 sensors per tracker; the QR label identifies each one.

Technical Specifications

- **Model:** RMT5 Parasite
- **Sensor:** DS18B20-PAR (Maxim / Analog Devices)
- **Measuring range:** -55 °C to +100 °C
- **Accuracy:** ±0.5 °C (from -10 °C to +85 °C)
- **Resolution:** 9 to 12 bits, configurable (0.0625 °C)
- **Power supply:** Parasite (2 wires: GND and DATA)
- **Sleeve:** 304 stainless steel, Ø6 × 50 mm
- **Cable:** UL2464 22 AWG, 3 conductors, 5 m
- **Max. cable temperature:** 80 °C
- **Connector:** 2×2 Molex Micro-Fit 3.0

Configuration

- CXOW, DT (up to 8 sensors) and QOW, at docs.rinho.com.ar.

Compatibility

- Smart IoT: Parasite or 3-wire; plugs into the harness.
- Spider IoT: Parasite only; spliced onto the harness.
- Zero IoT has no 1-Wire bus.

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