

BlueRTD (BLE IEC+RTD Rev.2)

Technical data (preliminary information):

Power supply: Integrated 3V lithium cell

Average current consumption @ Interval=1sec with PT1000: 110uA

Converter electronics for PT100 (without sensor):

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Measuring current: max. 1mA in 40ms pulses (corresponds to 26 SPS)  
Temperature measuring range: -200°C .... > +450°C  
Resolution: 0.01K (Display: 0.01K)  
Maximum deviation after calibration: < 0.05% +/- 0.05K  
Maximum drift: 37ppm/1000h

The total deviation depends on the PT100 used!

Converter electronics for PT1000 (without sensor):

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Measuring current: max. 0.3mA in 40ms pulses (corresponds to 26 SPS)  
Temperature measuring range: -200°C .... +450°C  
Resolution: 0.004K (Display: 0.01K)  
Maximum deviation after calibration: < 0.05% +/- 0.01K  
Maximum drift: 37ppm/1000h

The total deviation depends on the PT1000 used!

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