

# DS18B20 temperatuur sensor

[DS18B20-pinout.jpg](#)

[DS18B20-ESP8266.jpg](#)

[DS18B20-Circuit-Diagram.png](#)

## DS18B20 Sensor Specifications

- Programmable Digital Temperature Sensor
- Communicates using 1-Wire method
- Operating voltage: 3V to 5V
- Temperature Range: -55°C to +125°C
- Accuracy:  $\pm 0.5^{\circ}\text{C}$
- Output Resolution: 9-bit to 12-bit (programmable)
- Unique 64-bit address enables multiplexing
- Conversion time: 750ms at 12-bit
- Programmable alarm options
- Available as To-92, SOP and even as a waterproof sensor

BRON:

[Components 101](#)

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