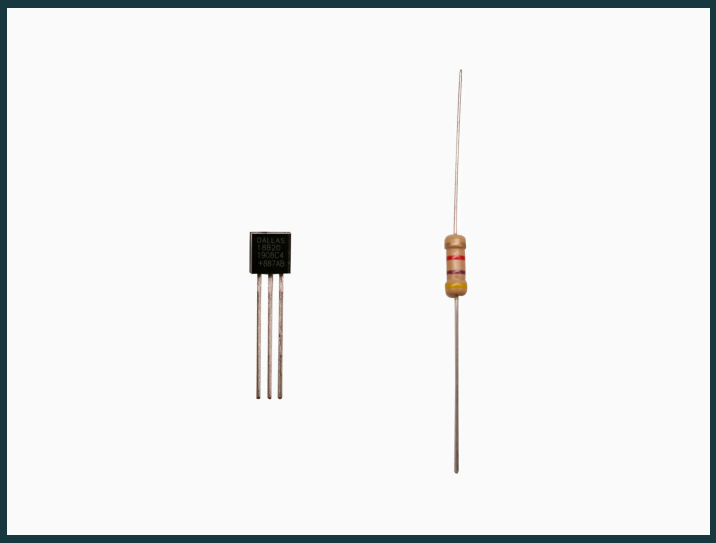
seeed studio

INDUSTRIAL PRODUCT DATASHEET

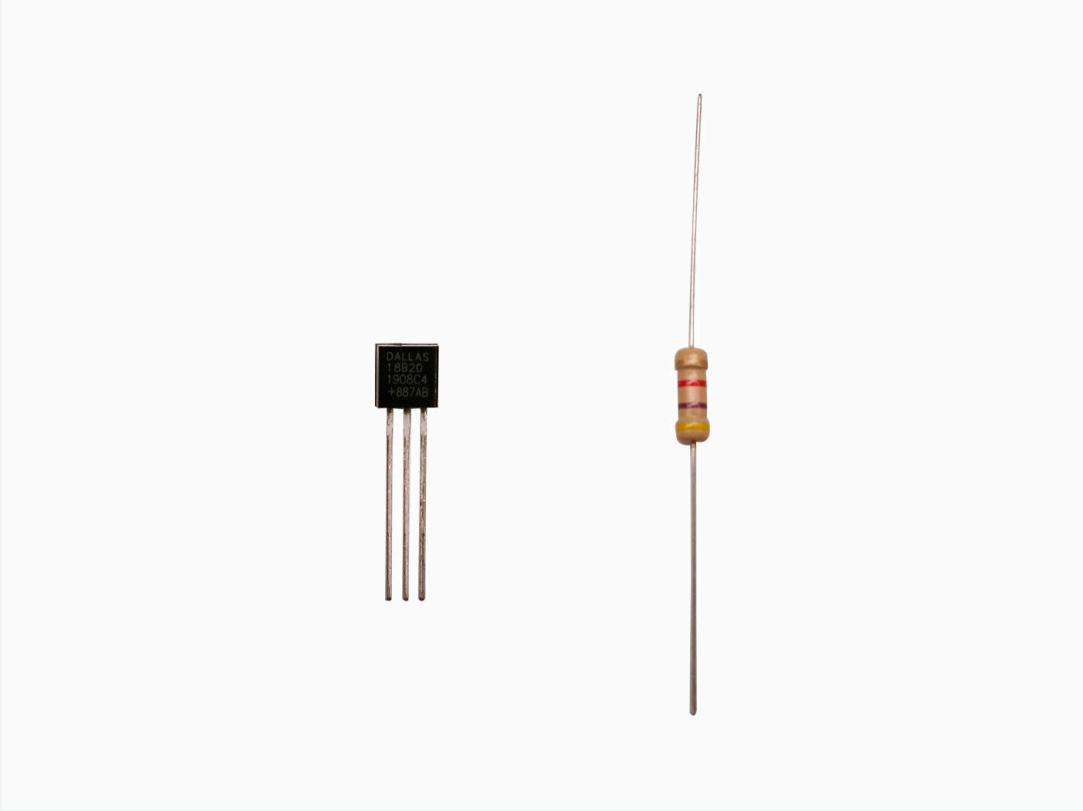
DS18B20 Temperature Sensor/ 1-Wire Digital Thermometer

DS18B20 Temperature Sensor is a 1-wire digital sensor which can reach the digital data resolution up to 12bits and has ±0.5°C accuracy from -10°C to +85°C.

SKU	UPDATED	PRICE
101990579	2026-11-11 08:23:13	$2.95(Excl. VAT)



Overview



DS18B20 Temperature Sensor is a 1-wire digital sensor which can reach the digital data resolution up to 12bits and has ±0.5°C accuracy from -10°C to +85°C. A pull-up resistor is added to get stable data from the data line.

Key Features

01 **Temperature range**

-55~125°C

02 **Resolution option**

9~12 bits

03 **1-Wire interface communication protocol**

04 **Multiple devices to share one pin**

05 **±0.5°C Accuracy from -10°C to +85°C**

06 **Max ADC time**

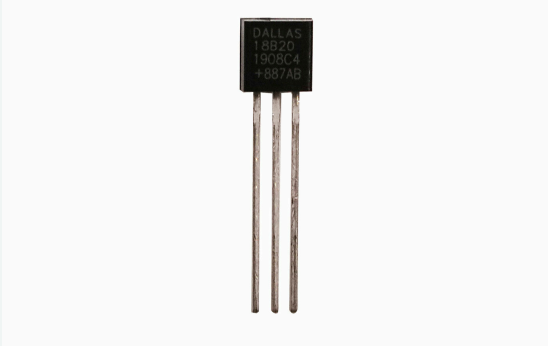
750ms

07 **User-Definable Nonvolatile (NV) Alarm Settings**

08 **Applications Include Thermostatic Controls, Industrial Systems, Consumer Products, Thermometers, or Any Thermally Sensitive System**

Product Gallery





Resource Links

- https://www.seeedstudio.com/DS18B20-Temperature-Sensor-1-Wire-Digital-Thermometer-p-4281.html
- DS18B20 datasheet
- Dallas Temperature Control Arduino library

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