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INDUSTRIAL PRODUCT DATASHEET

DS18B20 Waterproof Temperature Sensor

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

SKU	UPDATED	PRICE
101990578	2026-11-11 08:23:12	$6.90(Excl. VAT)



Overview



DS18B20 Waterproof Temperature Sensor is a 1-wire digital sensor which can reach the digital data resolution up to 12 bits and has ±0.5°C accuracy from -10°C to +85°C. The waterproof probe enables the sensor to measure the temperature underwater. 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 **Waterproof probe**

05 **Multiple devices to share one pin**

06 **±0.5°C Accuracy from -10°C to +85°C**

07 **Max ADC time**

750ms

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

09 **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-Waterproof-Probe-p-4283.html
- DS18B20 datasheet
- Dallas Temperature Control Arduino library

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