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INDUSTRIAL PRODUCT DATASHEET

One Wire Temperature Sensor - DS18B20

Accurate, waterproof one-wire temperature sensing with alarm search and Grove plug-and-play connectivity.

SKU	UPDATED	PRICE
101990019	2026-11-03 03:59:43	$8.30(Excl. VAT)



Overview



The One Wire Temperature Sensor - DS18B20 offers outstanding measurement accuracy of ±0.5% from -10°C to +85°C and a robust operating range from -55°C to +125°C. It features an alarm search command, excellent waterproof function, and a Grove unified socket for plug-and-play use.

Key Features

01 **Outstanding measurement accuracy**

Measure temperature with ±0.5% accuracy, absolute temperature. (-10°C to +85°C)

02 **Robust measurement range**

The sensor can operate even from -55°C to +125°C degrees.

03 **Alarm search command**

It identifies and addresses devices whose temperature is outside of programmed limits. (temperature alarm condition)

04 **Excellent waterproof function**

Suitable for immersive temperature detection.

05 **Grove unified socket**

The sensor ensures "Plug and Play" and could be versatile for various applications.

Product Gallery





Applications

- **Design your own Long Range sensor**
- **Water quality detection**
- **Wireless communication applications**

Resource Links

- https://www.seeedstudio.com/One-Wire-Temperature-Sensor-p-1235.html
- DS18B20-Datasheet

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com