ARD 2 — Arduino Compatibles
Controllers, Shields, Modules & Sensors

Temperature Sensor (DS18B20)   ARD2-2201

- **Fully digital temperature conversion and output**
- **Advanced single-bus data communication**
- **Up to 12-bit resolution, accuracy up to 0.5℃**
- **Detect temperature range of -55℃ to +125℃**
- **Built in EEPROM, limit temperature alarm function**
- **64-bit lasered ROM, built in unique product serial number, to facilitate multi-machine mount**

Description

The new DS18B20 Temperature Sensor Module is a fully compatible Arduino platform that allows users to easily set up sensor networks. It's suitable for most DIY projects that require accurate temperature data. This module uses a single bus digital temperature sensor DS18B20 with an external power supply voltage range of 3.0V to 5.0V (no standby power).

The DS18B20 looks like a normal transistor but be careful not to reverse the power and ground lines in order to avoid damaging it.

Specifications

Operating Voltage	3.0 - 5.0V
Measurement Accuracy	±0.5℃
Output	Digital Sensor
Sensitivity	10mV per degree Celsius
Board Colour	Black
Weight	10g
Material	PCB

Pinout

Module	Arduino	Function
S	D10	Output Signal
Middle	5V	Power Supply
–	GND	Ground Connection