KY001 TEMPERATURE SENSOR
DS18B20 digital thermometer

MAIN FEATURES

Chipset	DS18B20
Communication protocoll	1-Wire
Accuracy	9 - 12 Bit
Measuring area	-55 °C - +125 °C
Measuring accuracy	±0.5°C von -10°C bis +85°C
Operating voltage	3,3 V

ADDITIONAL INFORMATION

Items shipped	SEN-KY001TS
Dimensions	15 x 25 x 8 mm
Article no.	SEN-KY001TS
EAN	4250236816777
Customs tariff no.	8473302000
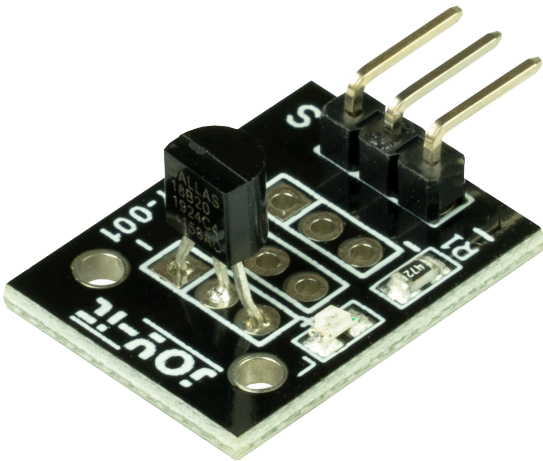
The DS18B20 digital thermometer provides 9-bit to 12-bit Celsius temperature measurements.

The sensor communicates via a 1-wire bus, which requires only one data line for communication with a central microprocessor. In addition, the sensor can draw power directly from the data line („parasite power"). This eliminates the need for an external power source. Each sensor has a unique 64-bit serial code. This allows multiple sensors to operate on the same 1-Wire bus and be evaluated by only one microprocessor.