

# BMP180 High-Precision Digital Pressure and Temperature Sensor



**Produktkode:** 954aa  
**Tilgjengelighet:** 3  
**Lager :** C9

**Pris:** kr. 35,00

## Short Description

**BMP180 High-Precision Digital Pressure and Temperature Sensor**

## Beskrivelse

# BMP180 High-Precision Digital Pressure and Temperature Sensor

The BMP180 by Bosch Sensortec is a high-precision digital sensor designed for measuring environmental temperature, pressure, and altitude. This ultra-low power, low voltage component is optimized for high accuracy and stability, making it ideal for mobile phones, PDAs, GPS navigation devices, and outdoor equipment.

- **Pressure Measurement Range:** 300 to 1100 hPa (Altitude: 9000m to -500m)
- **Voltage:** 1.8V~3.6V (VDDA), 1.62V~3.6V (VDDD)
- **High Accuracy:** 0.06 hPa (0.5m) in low power mode, 0.03 hPa (0.25m) in high linearity mode
- **Low Power Consumption:** 5µA in standard mode
- **Built-in Temperature Sensor:** Accuracy of 0.5°C

- **I2C Communication:** Supports easy integration with microcontrollers

The BMP180 is perfect for applications requiring precise pressure and altitude measurements, such as weather monitoring and altitude tracking

### **Key Features:**

- **High Accuracy:** Absolute accuracy down to 0.03 hPa.
- **Low Power Consumption:** Only 3µA, perfect for battery-powered devices.
- **Easy Integration:** I2C interface for seamless connection with microcontrollers.
- **Versatile Applications:** Suitable for weather monitoring, drones, and IoT devices.
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Enhance your projects with the BMP180 sensor for reliable and precise pressure and temperature measurements.

