

## **Atmospheric pressure module :**

AD converter is within the chip

Chip used:BMP085

Power supply:3-5V

Communication mode:IIC communication protocol

**Competitive price with large quantity, and 51 test code is provided.**

BMP085 is a kind of pressure sensor with high precision, low energy, which

can be used in mobile devices. Its excellent performance makes the absolute precision reach the minimum 0.03hPa, and it is with very low power consumption, only 3uA.

single powerful 8-pin ceramic leadless chip carrier (LCC) thin package,

BMP085 can be connected directly with a variety of microprocessors through I2C bus .

### **Main features:**

Pressure range: 300 ~ 1100hPa

(at an altitude of 9000 meters to 500 meters)

Supply voltage: 1.8V ~ 3.6V (VDDA) 1.62V ~ 3.6V (VDDD)

LCC8 package:ceramic leadless chip carrier(LCC)

Size: 5.0mmx5.0x1.2mm

Low consumption: 5  $\mu$  A in standard mode

High accuracy:resolution ratio is 0.06hPa

(0.5 meter) in low power consumption mode; 0.03hPa

(0.25 meter) in high linear mode

Temperature output

I2C interface

Temperature compensation

Leadless, accord with RoHS standard

MSL 1

Response time:7.5ms

Standby current: 0.1  $\mu$  A

No need for external clock circuit

### **Typical application:**

GPS pinpoint navigation(dead reckoning, fluctuation bridge detection)

Indoor and outdoor navigation

Detection for entertainment, sports and health care and so on

Weather forecast

Vertical speed instruction(rise/sink speed)  
Fan power control

[www.icstation.com](http://www.icstation.com)