压力传感器测量的各种压力形式：

PRESSURE (P_1) ≥ **VACUUM (P_0)** → **ABSOLUTE PRESSURE SENSORS**

(P_1) (P_0)

MEMBRANE
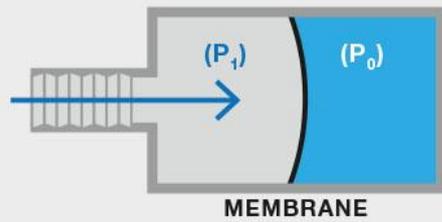
Absolute Pressure Sensors measure the pressure in comparison to the absolute vacuum P_0.

绝对压力传感器（**P_1 -P_0** 是测量压力，**P_0** 是真空压力为零）　符号 **--A**

PRESSURE (P_1) ≥ **AMBIENT (P_{amb})** → **RELATIVE PRESSURE SENSORS**

(P_1) (P_{amb})

MEMBRANE
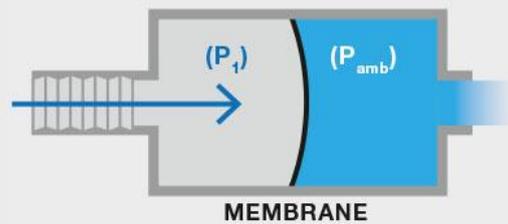
Relative Pressure Sensors measure the difference between the ambient pressure and the measuring pressure P_1.

相对压力传感器（表压，**P_1 -P_{amb}** 是测量两边压力差值，**P_{amb}** 环境压力，通常是大气压力，其实就是差分压力传感器）　　　　　　　　符号**--G**

PRESSURE (P_1) ≥ **PRESSURE (P_2)** → **DIFFERENCE PRESSURE SENSORS**
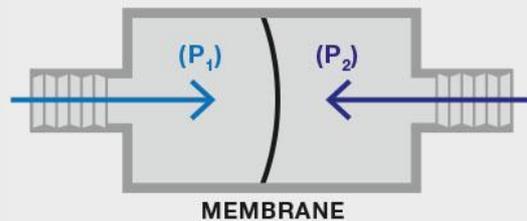
(P_1) (P_2)

MEMBRANE

Difference Pressure Sensors measure the difference between two measuring pressures P_1 and P_2.

差分压力传感器（**P_1-P_2** 是测量两边的压力差值，始终 **P1 ≥ P2**）　符号**--D**

PRESSURE (P_1) ≤≥ **PRESSURE (P_2)** → **BIDIRECTIONAL PRESSURE SENSORS**

(P_1) (P_2)

MEMBRANE
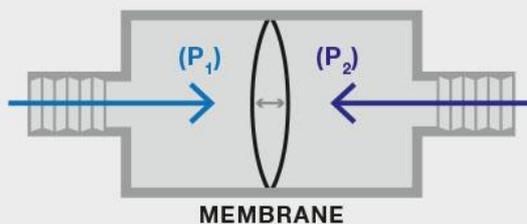
Bidirectional Difference Pressure Sensors measure the difference between two measuring pressures P_1 and P_2, both as low- and high-pressure.

双向差分压力传感器（**P_1-P_2** 是测量两边压力差值，**P1** 可以大于也可以小于 **P2**）符号**--D-B**

AIR-PRESSURE (P_{amb}) ≥ **VACUUM (P_0)** → **BAROMETRIC PRESSURE SENSORS**

(P_{amb}) (P_0)

MEMBRANE
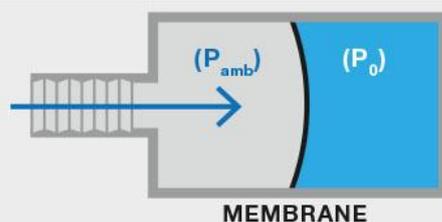
Barometric Pressure Sensors measure the air-pressure P_{amb}.

大气压力传感器（**P_1 -P_0** 是测量大气压力，**P_0** 是真空压力为零，传感器校准范围在 **700-1200mbar**，可以提高测量大气压力的精度）　　　　符号 **–B**