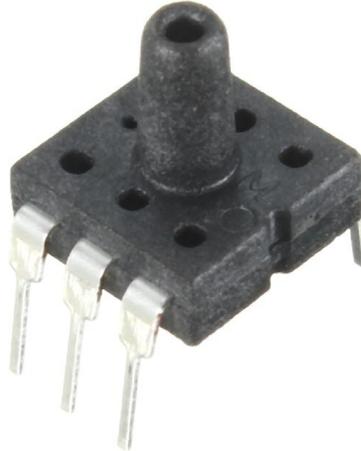


# MPS20N0040D-D Sphygmomanometer Pressure Sensor 0-40kPa DIP-6 For Arduino



## Features:

- This DIP air pressure sensor is suitable for biomedical, meteorology and other fields. The core part is pressure sensor chip which is made by the MEMS pressure technology.
- With wide applicable temperature range.
- Easy to use and install.
- Fits for the following types:
  1. Automobile: tire pressure gauge, vehicle-mounted air pump, the MAP sensors, diagnostic equipment, automotive sensors.
  2. Industry: air brake switch, portable pressure gauge, such as digital pressure gauge, environment monitor.
  3. Medical equipment: patient monitoring and diagnostic equipment, such as blood pressure monitor, medical instrument, and monitor.

## Specifications:

- Measuring medium: air
- Measuring range: 0-40kPa
- Operating temperature range:  $-40\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$
- Storage Temperature:  $-40\text{ }^{\circ}\text{C} \sim +150\text{ }^{\circ}\text{C}$
- Humidity:  $(50\% \pm 10\%) \text{ RH}$
- Ambient temperature:  $(25 \pm 1)\text{ }^{\circ}\text{C}$
- Medium temperature:  $(25 \pm 1)\text{ }^{\circ}\text{C}$
- Output impedance:  $4\text{k}\Omega \sim 6\text{k}\Omega$
- Zero output:  $-15\text{mV} \sim +15\text{mV}$
- Hysteresis:  $\pm 0.7\% \text{ F.S.}$
- Power supply:  $\leq 10\text{V DC}$  or  $\leq 2.0\text{mA DC}$
- Insulation resistance:  $100\text{M}\Omega, 100\text{VDC}$