



## MF5000 Series Gas Flow Meters

### The Products

**MF5000 series mass flow meters** are specially designed for small pipe flow monitoring and control. The series can measure gas flow in a pipe diameter as small as 3 mm, but not over 19 mm. With the self-flow conditioning feature of the MEMS sensor package, the meters feature an extremely low pressure loss compared to the traditional by-pass thermal mass flow meters in this application scope. The accuracy of the meters are generally  $\pm(1.5+0.2FS)\%$  or better depending on the requests. The meters can work at an environment of -20 to 60 C and pressure up to 1.5 MPa. Applications include semiconductor gas process monitoring and control, hospital oxygen gas monitoring, etc.

### Features

- ✎ Highly sensitive, measuring as low as 8 mm/sec, and as high as 65 m/sec with a single assembly
- ✎ Directly sense mass flow using thermal mass flow principle
- ✎ Proprietary MEMS sensor package design for better reliability
- ✎ Standard 12 ~ 24 Vdc power supply
- ✎ Low pressure loss for reducing energy cost
- ✎ Industrial standard Modbus protocol for easy networking and remote control

### Mechanical Dimensions



