MITSUMI

Breeze sensor

MMS00x





PRELIMINARY

Specification

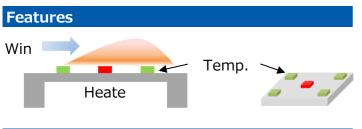
MMS00x series is a breeze sensor that digitally outputs wind direction and velocity. Having an original highsensitive sensor element, MMS00x can detect gentle breeze of 0 to 3 m/s. AFE's NVM has the parameters for correcting each sensor's individual variation of characteristics and temperature characteristics. Then you can easily calculate corrected wind velocity and direction from these parameters and data by using your host

Specification

Item

Application

Indoor environment measurement



Features

- 1 Downsizing with MEMS thermal sensors
- ② Wind velocity correction parameters can be loaded from the NVM.

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Supply Voltage Range 2.4 to 3.6V(3.3V typ.) Operating Temperature Range 0~40℃ Wind velocity range 0 to 3 m/s Wind velocity error 0 to 0.5m/s: 0.15 m/s 0.5 to 3m/s: ±30%RD Wind direction range 0 to 360 deg 15 deg (wind velocity 0.5 to 3 Wind direction error n/cSampling rates 0.5 s Current consumption typ. 0.7 mA Interface I2C Size 30.5(Φ20) × 15.5(H) mm

Application example

Reduce factory defects, increase productivity **Energy saving in clean rooms Energy saving in clean rooms Ener**

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Passion to Create Value through Difference	https://product.minebeamitsumi.com/en/product/category/sensor/ics	s/ Semiconductor Business Division tel:+81-46-230-3470

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