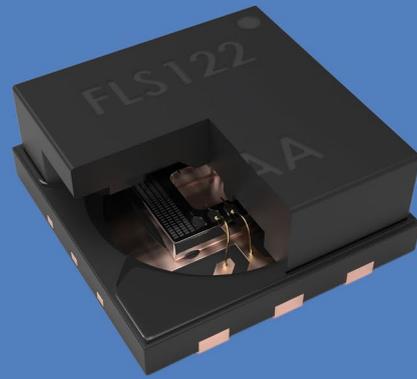




Sensing solutions



## Product information

# FLS122

## The smallest air velocity sensor

FLS122 is designed for high-volume consumer goods applications requiring an air velocity measurement. It will add value to your product by providing an accurate air speed or air flow measurement with near-zero pressure drop. The FLS122 often requires no flow fixture and integrates easily into an existing duct. It measures air velocity directly using a thermal sensing method and can be calibrated to report air velocity or air flow rate. It is uniquely suited to applications with large flow rates but small pressure drops.

### Key benefits

- Solid-state sensor
- Ultra-low power
- High precision
- Near-zero pressure drop
- Ultra-small footprint
- Mass airflow calculation
- Easy mechanical integration
- Mass production

## Applications



Data centre thermal management



Gaming PCs thermal management



HVAC filter monitoring



Consumer appliances

## Product information

### Features

- Silicon-MEMS thermal air velocity and air flow sensor
- Firmware running on a standard microcontroller delivers digital flow and airspeed sensing solutions
- Fully temperature-compensated readings
- Programmable operating modes and features
- Fully compatible with SMD assembly processes
- Easy integration into an existing flow path



6-pin DFN package  
3.5 mm × 3.5 mm footprint  
2 mm overall height

### Flow sensor specifications

Parameter	Typical value
Footprint	3.5 mm x 3.5 mm
Air speed range	up to 20 ms <sup>-1</sup>
Span accuracy	±5% m.v.*

\*m.v. is measured value

### Ordering guide

Type no	Packing type	Size	Quantity	Part no
FLS122	Tape & reel	7"	500 min	FLS-122-TR07
FLS122	Waffle tray	10 cm x 10 cm	1 to 324	FLS-122-WT324

For further application information or a copy of the full product datasheet please visit [flussold.com](http://flussold.com)

