



Product information

FLS122

The smallest air velocity sensor

FLS122 is designed for high-volume consumer and industrial applications requiring air velocity measurement. It will add value to your product by providing an accurate measurement with near-zero pressure drop. The FLS122 usually requires no flow fixture and integrates easily into the existing flow path of your product – whatever its shape and size. Using firmware running on a standard microcontroller, FLS122-based solutions are easily adapted to your system flow characteristics in order to meet your goals for measurement accuracy. FLS122 is ideal for measuring air velocity in applications with large flow rates, such as HVAC and cooling.

Key benefits

- Robust, solid-state sensor
- Negligible drift
- Ultra-low power
- High accuracy
- Excellent repeatability
- Near-zero pressure drop
- Ultra-small footprint
- Easy mechanical integration

Applications



Data centre
thermal
management



Gaming PCs
thermal
management



HVAC VAV damper
control and filter
monitoring



Consumer
appliances

Product information

Features

- Silicon-MEMS thermal air velocity sensor
- Firmware running on a standard microcontroller provides digital flow velocity and temperature readings
- Fully temperature-compensated readings
- Firmware-configurable 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
Flow velocity range	up to 20 ms ⁻¹
Span accuracy	±5 % of measured value
Repeatability	0.1 ms ⁻¹ + 0.5 % of 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 **[flussoltd.com](https://www.flussoltd.com)**

