

PRODUCT INFORMATION

FLS112P



The world's **smallest** flow sensor

The FLS112P is the world's smallest mass flow sensor. Allowing you to add accurate flow measurement features into any size of product: from smart medical devices to volume consumer goods. It offers complete configuration flexibility, balancing performance and cost for every application.

With bidirectional flow sensing capability, the FLS112P can provide mass flow, differential pressure, and flow temperature measurements. Easy to integrate and with in-system calibration supported by the firmware, the FLS112P is part of a complete digital flow sensing solution for fast product development.

Key benefits

- Small footprint 3.5 mm x 3.5 mm
- Bidirectional thermal gas flow sensor
- Outstanding performance, robustness and reliability
- Ultra-low power
- Optimised for automated, high-speed product manufacturing processes

Applications



Hyperscale data centres



Home healthcare



Automotive



Consumer appliances

PRODUCT INFORMATION



Mechanical specifications
 6-pin DFN package
 3.5 mm x 3.5 mm footprint
 3 mm overall height

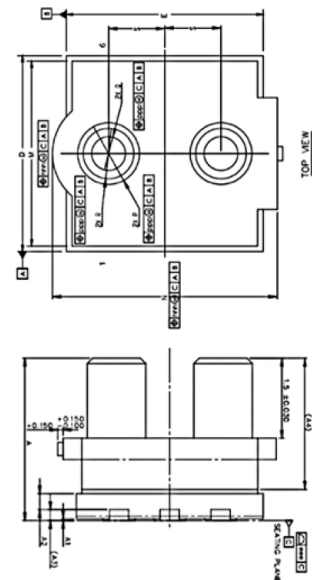
Features

- Thermal air flow or differential pressure sensor
- Integrated temperature sensor
- Fully temperature-compensated readings
- Easy integration into existing flow paths
- Supplied firmware provides digital flow and temperature readings

Flow sensor specifications

Parameter		Typical value
Footprint		3.5 mm x 3.5 mm
Measurement range	Differential Pressure	±500 Pa
	Mass Flow	Through flow ±200 sccm By-pass configuration ±1000 slm or more
	Temperature	-20 to +85 °C
Span accuracy	Differential Pressure	±5 % of m.v.
	Mass Flow	±3 % of m.v.
	Flow Temperature	±4 % of m.v.

*m.v. is measured value



Ordering guide

Type no	Packing type	Size	Quantity	Part no
FLS112P	Tape & reel	7"	500 min	FLS112P-TR07
FLS112P	Waffle tray	10 cm x 10 cm	Up to 289	FLS112P-WT289

For further application information or a copy of the full product datasheet please visit flussold.com

