

# WAF

WIRELESS AIR FLOW

WIRELESS TECHNOLOGY



ROBUSTNESS



EASY INSTALLATION



## KEY FEATURES

A special module for wireless measurement of flow velocity in liquids and gases. Wireless technology allows you to measure even in less accessible locations. The product consists of a module and an auxiliary PCB that serves as a carrier of the sensing element. This PCB can be easily customized for specific needs. Thanks to our application, you can operate the entire solution remotely.

- Wireless measurement technology is easy to apply anywhere
- Variable use due to temperature resistance and signal coverage up to 20 meters
- Easy remote operation thanks to its own intuitive application



generator ventilation



generator ventilation

## APPLICATION

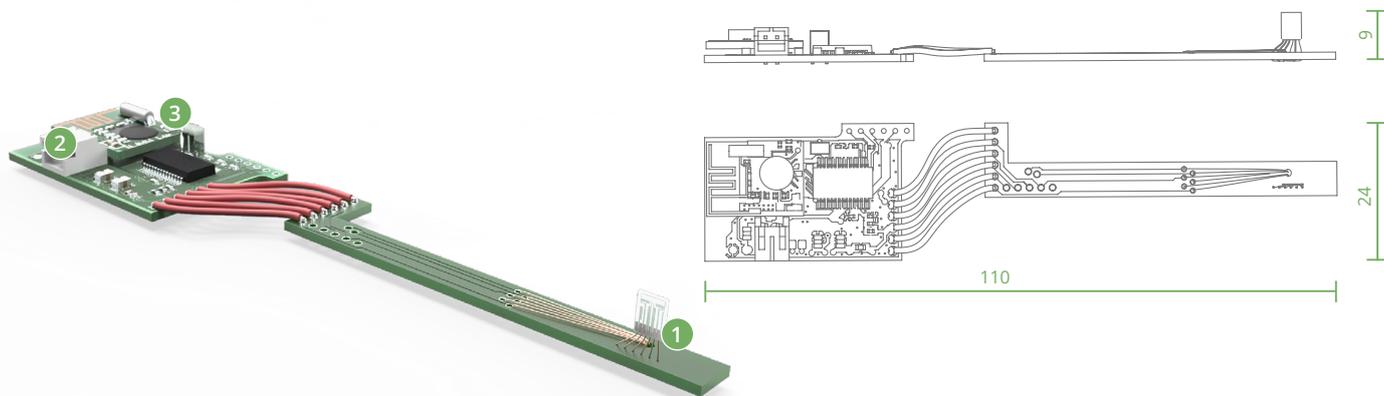


STRAIN MEASUREMENT

The WAF (Wireless Air Flow) module is designed to measure the flow velocity of gaseous and liquid substances. Thanks to this module, you will know the details not only about the flow velocity of the medium but also about its temperature. The results of measurements allow you to get a comprehensive overview of the flow of medium in your application.

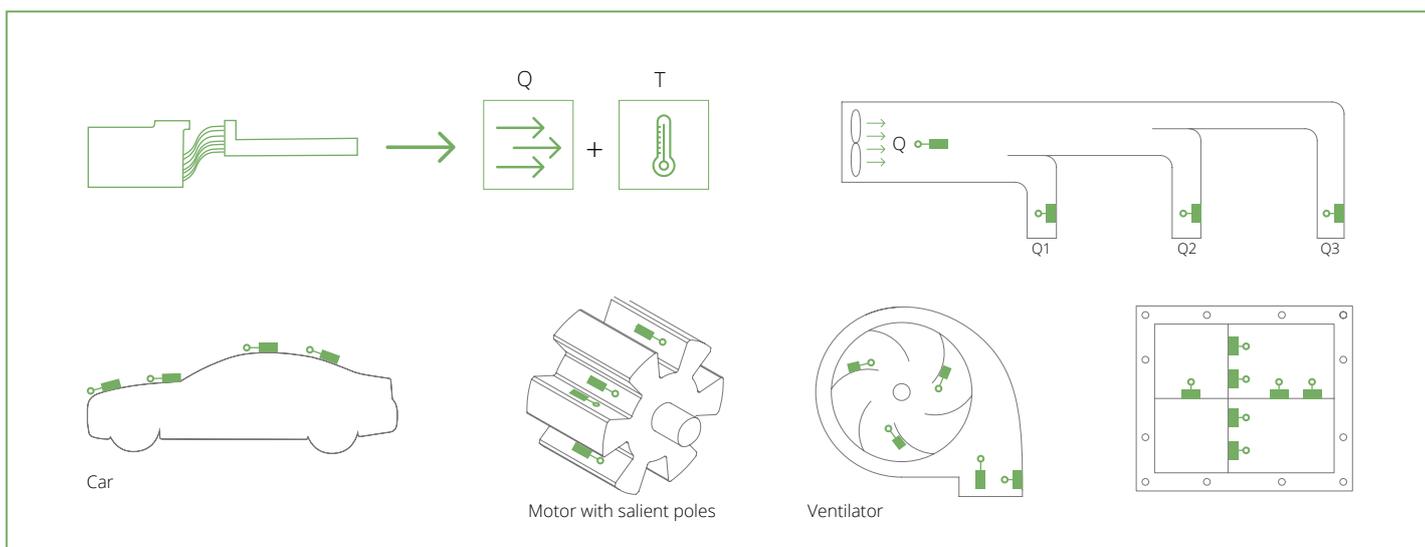
- Measures the velocity and direction of flow
- Measures the temperature of medium
- Works on the basis of the hot wire technology

The hot wire technology used is based on monitoring the change in power consumption of the heating element where constant temperature is maintained using a constant temperature anemometer (CTA) principle. The module can be powered externally or by embedded battery, the measuring module itself weighs only 7 grams.



- 1** Sensing element with hot-wire technology. It is equipped with an internal temperature sensor and allows you to distinguish the direction of airflow.
- 2** Power connector for external 5V supply, which also works as a charger for modules equipped with rechargeable battery.
- 3** Wireless module for detecting current values and for remote control (it also works in an environment with strong electromagnetic interference).

## APPLICATION EXAMPLES



## SPECIFICATION

Sensing element	hot-wire probe
Maximal velocity of flow	50 m/s
Flow direction distinction	yes
Internal temperature sensor	yes
Accumulator option	yes (charger circuit already embedded)
Radio signal range	up to 20 m
Weight	7 g
Max. continuous acceleration	500 g
Operating temperature	0-50 °C
Power supply range	4,5 - 5,5V