

## Water Flow Sensor YF



PID: MIKROE-6757

**Water Flow Sensor YF** (YF-B6) is designed to accurately detect and measure the flow of water, providing feedback for controlling and optimizing system performance. Built with a durable metal valve body, a water flow rotor assembly, and a Hall sensor, it delivers NPN pulse outputs that directly correspond to the flow rate, ensuring precise monitoring. Supporting a wide operating temperature range up to 80°C, humidity tolerance from 35% to 90% RH, and water pressure up to 1.75MPa, this sensor guarantees stable operation under demanding conditions. It operates on a conventional 3.5-24V supply, while built-in protection requirements ensure reliable use with PLCs, pumps, and motors. With its accurate sensing and straightforward integration, the Water Flow Sensor YF is ideally suited for application in fully automatic gas water heaters and other water flow monitoring systems.

For more information about **Water Flow Sensor YF** visit the official [product page](#).

### Downloads

[YF-B6 flow sensor datasheet](#)

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
 ISO 14001: 2015 certification of environmental management system.  
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).