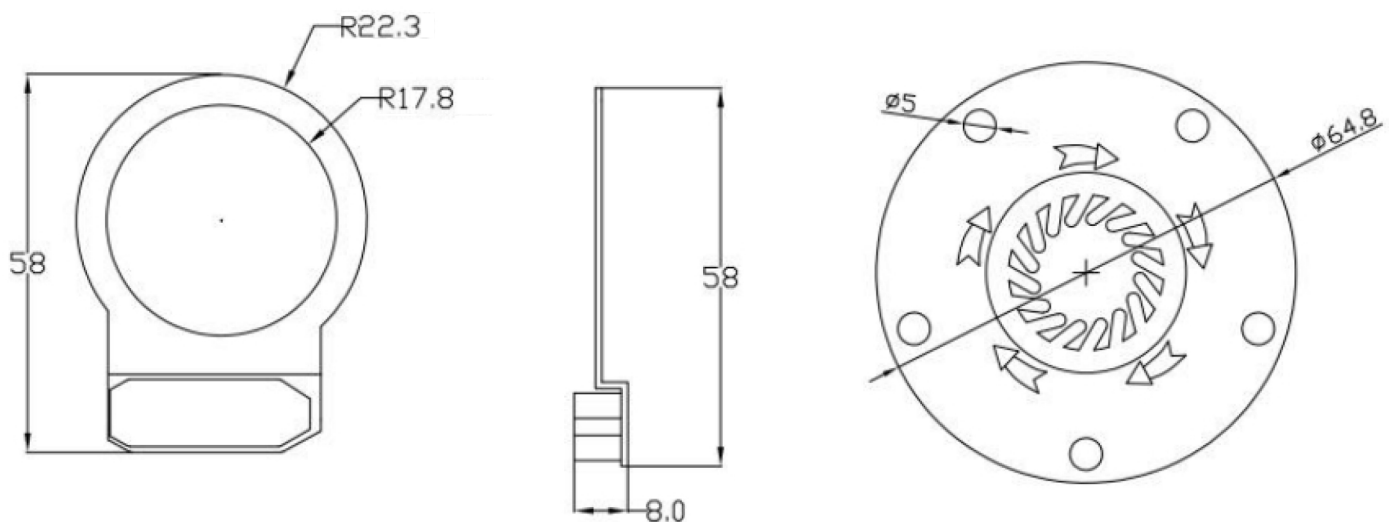


SM-02 PAS Sensor

1. Function overview

The sensor, mounted on the right side of the electric bike, has a built-in highly sensitive Hall component that can detect the running state of the electric bike in real time. When the pedal turns forward, the sensor outputs a pulse signal.

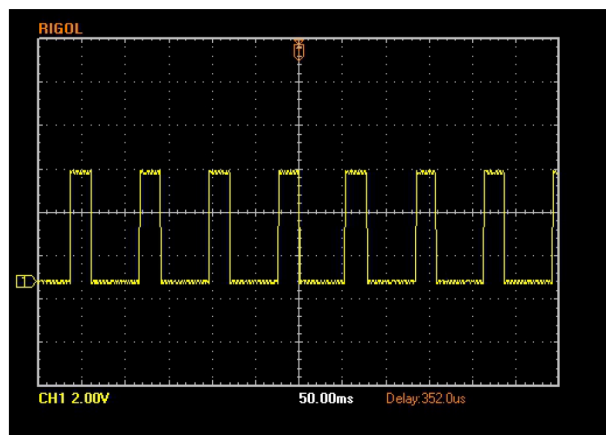
2. Product dimensions



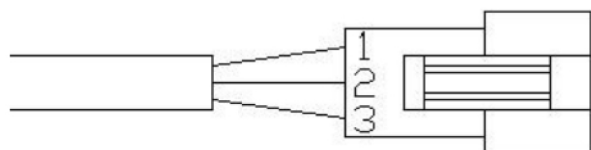
3. Specifications

- Working voltage: 4.5-6V(DC)
- Quiescent current: $< 5\text{mA}$
- Maximum working current: $< 6\text{mA}$
- Number of pulses: 5/6
- Wire tension: $> 20\text{N}$
- Hall response time: $< 0.001\text{s}$
- Waterproof grade: IP67
- Material: ABS

4. Output waveform



5. Wiring sequence definition



1	Blue	Assist signal
2	Red	+5V
3	Yellow	GND

6. Product picture

