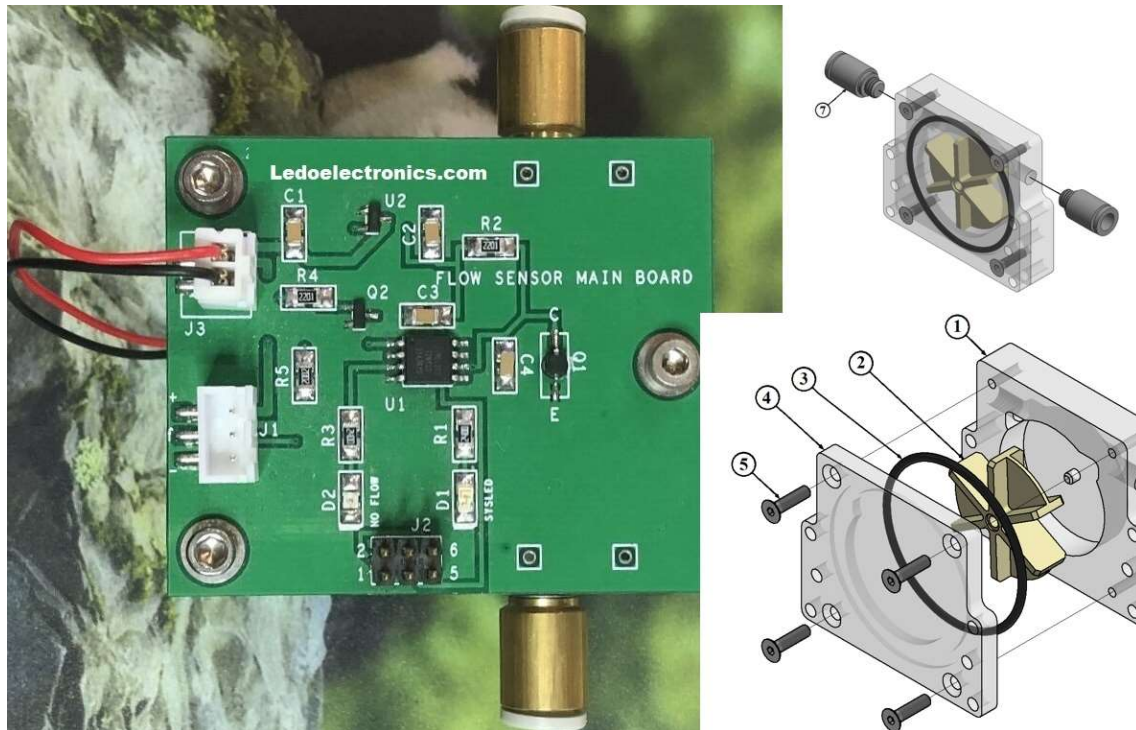


Le-WFS-2000-1 Flow Sensor



- **Range: 100 mL/min a 2000 mL/min**
- **Power supply: 5...24V DC**
- **Operation Pressure: ≤ 10 bar**
- **Accuracy: 3%**
- **6 mm tuve fittings**
- **Frequency output 36 Hz...1000 Hz (Open colector)**
- **No Flow Red LED indication**
- **Green LED flashes according to the rotation of the Blades**
- **Material: Poliacetal**

The Le-WFS-2000-1 sensor is designed for the reliable measurement of small water flows in the range from 100 mL/min to 2000 mL/min.

Below 100 mL/min the blades stop and the sensor indicates this by activating the red LED and setting its output to low level (0 Hz). Above 100 mL/min the blades start to move, and a frequency between 36 Hz and 1 KHz appears on the output, proportional to the water flow. If the water flow increases above two liters per minute, the sensor will saturate and give its maximum frequency (around 1000 Hz).

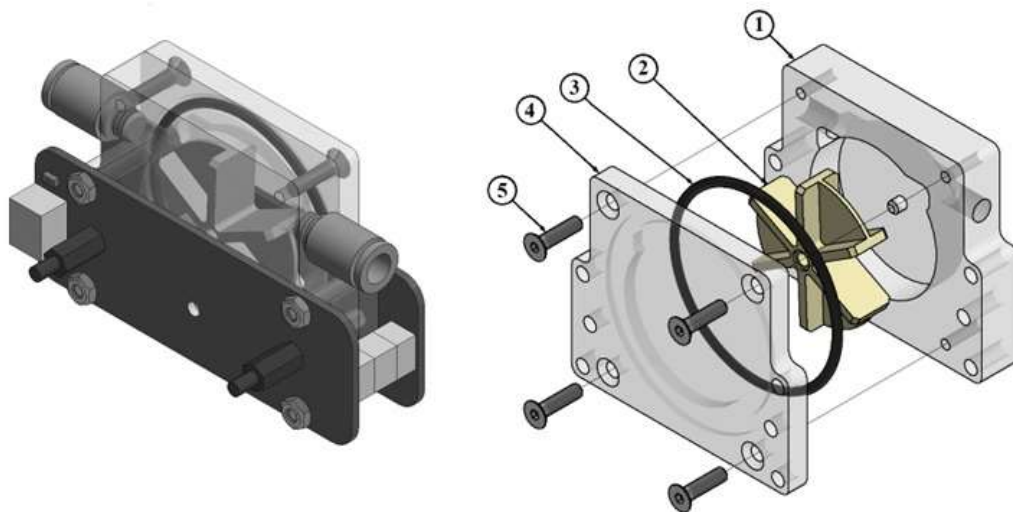


Fig.1. Mechanical mounting of the flow sensor.

Our detector has been tested with water and most cooling liquids, showing stable and long-lasting performance. Unlike most equivalent devices on the market, our detector can be easily disassembled in case it needs to be cleaned if used without any filter.

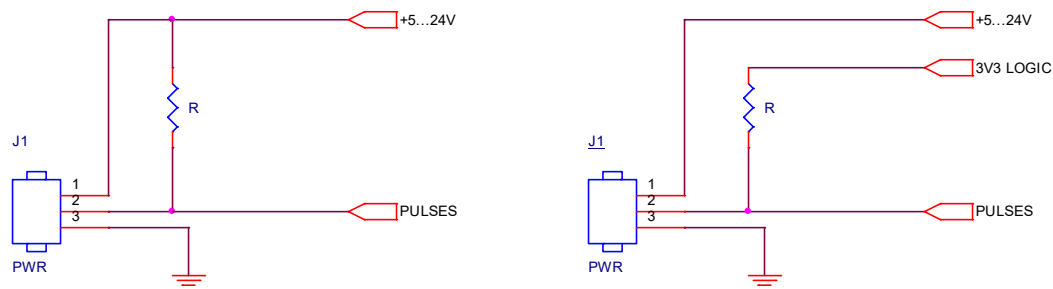


Fig.2. Electrical connection required for proper operation.

The output is of the open collector type, for direct adaptation to any type of logic, adding only one resistor.



Fig.3. View of both sides of the sensor.

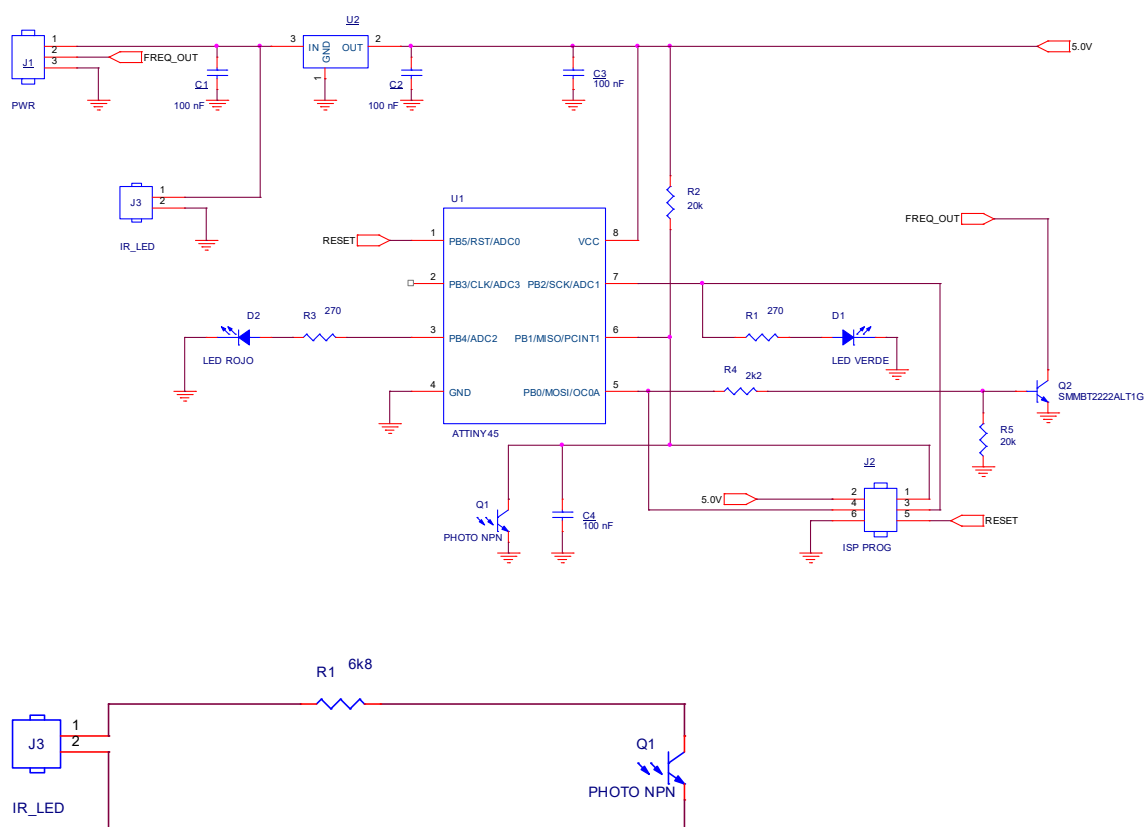


Fig.4. Le-WFS-2000-1 Schematics.