

Water Flow Sensor YF-B5

SKU 114991175



Water flow sensor consists of a copper body, a water rotor, and a hall-effect sensor. When water flows through the rotor, rotor rolls. Its speed changes with different rate of flow. The hall-effect sensor outputs the corresponding pulse signal. This one is suitable to detect flow in water dispenser or coffee machine.

Life is longer than plastic body.

Features

- Compact, Easy to Install
- High Sealing Performance
- High Quality Hall Effect Sensor
- RoHS Compliant

Technical Details

| | |
|-------------------------|-------------------------------------|
| Dimensions | 0mm x0mm x0mm |
| Weight | G.W 131g |
| Battery | Exclude |
| Mini. Working Voltage | DC 4.5V |
| Max. Working Current | 15mA (DC 5V) |
| Working Voltage | DC 5V~15V |
| Flow Rate Range | 1~30L/min |
| Frequency | $F=(6.6*Q)$ $Q=L/MIN\pm3\%$ |
| Load Capacity | $\leq 10mA$ (DC 5V) |
| Operating Temperature | 0 ~ 80°C |
| Liquid Temperature | $\leq 120^{\circ}C$ |
| Operating Humidity | 35% ~ 90%RH |
| Water Pressure | $\leq 1.75MPa$ |
| Storage Temperature | 25 ~ + 80°C |
| Storage Humidity | 25% ~ 95%RH |
| Interface Dimensions | G3/4Inch |
| Error Range | $(1\sim 25L\backslash MIN) \pm 3\%$ |
| Material Description | H57Copper+POM |
| Output Pulse High Level | >DC 4.7V (Input Voltage DC5V) |
| Output Pulse Low Level | <DC 0.5V (Input Voltage DC5V) |
| Output Pulse Duty Cycle | 50%±10% |

ECCN/HTS

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| HSCODE | 9026100000 |
| USHSCODE | 9026104000 |
| EUHSCODE | 9013101000 |
| COO | CHINA |

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|--------|---|
| CE | 1 |
| EU DoC | 1 |
| RoHS | 1 |

Part List

1 x YF-B5 Water Flow Sensor

| Type | Dimensions (DN) | Working Voltage | Flow Rate Range | Length | Male & Female | Length of Thread | Material |
|----------|-----------------|-----------------|-----------------|--------|--------------------|------------------|----------|
| YF-B1 | DN15 | 5V~15V(DC) | 1~25L/min | 44mm | Double Male | 10mm | Copper |
| YF-B2 | DN15 | 5V~15V(DC) | 1~25L/min | 50mm | Male in Female out | 10mm | Copper |
| YF-B3 | DN15 | 5V~15V(DC) | 1~25L/min | 66mm | Double Male | 18mm | Copper |
| YF-B4 | DN15 | 5V~15V(DC) | 1~25L/min | 66mm | Male in Female out | 10mm | Copper |
| YF-B5 | DN20 | 5V~15V(DC) | 1~30L/min | 50mm | Double Male | 10mm | Copper |
| YF-B6 | DN20 | 5V~15V(DC) | 1~30L/min | 60mm | Double Male | 11mm | Copper |
| YF-B7 | DN15 | 5V~15V(DC) | 1~25L/min | 66mm | Double Male | 10mm | Copper |
| G1&2 | DN15 | 5V~24V(DC) | 1~30L/min | | Double Male | | Plastic |
| G3&4 | DN20 | 5V~24V(DC) | 1~60L/min | | Double Male | | Plastic |
| G1&2 | DN15 | 5V~24V(DC) | 1~30L/min | 60mm | Double Male | 13mm | Plastic |
| G1&8 | - | 5V~24V(DC) | 0.3~6L/min | - | - | - | Plastic |
| M11*1.25 | - | 5V~24V(DC) | 0.3~6L/min | - | - | - | Plastic |