

smart external connection sensor for Allmess water meters

Part number: Jooby Aquaris SNS WOAM01 100



The optical sensor is designed to transmit data from analog water meters to the Jooby OMNI RM LoRaWAN 4PU 200 / 204 / 205 EU Pulse Radio Module. The device is installed on the enclosure of the metering device and connected to the radio module. After that, the Sensor begins to record the number of revolutions of the water meter's measuring arrow and then transmits the data to the Pulse Radio Module.

The sensor data is transmitted in the format of counting pulses: their number is either equal to the number of revolutions of the water meter arrow or a multiple of it.

All the information received from the Sensor is stored in the Radio Module's non-volatile memory and transmitted at regular intervals via the LoRaWAN wireless network to the server, where it is converted into readings.

Technical characteristics

| Sensor model | Jooby Aquaris SNS WOAM01 100 |
|--------------------------------|------------------------------|
| Water meter model | Allmess EVK 3/110 +m |
| Pulse coefficient | 1 pulse per 1 liter |
| Connector sealing degree | IP67 |
| Connector type | PY07-6 |
| Length of the connection cable | 1.5 m |

Operation

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|----------------------------------|--|
| Operating temperature | 1 °C...60 °C |
| Lifetime warranty period, months | 24 |
| Average lifetime, years | 10 (assuming 1 transmission per day)* |

*dependent upon the data transmission frequency and the number of interferences between the device and the base station