JOOBY AQUARIS SNS

Technical specification

jooby

smart external connection sensor
for Sensus water meters

Part number: Jooby Aquaris SNS WISE01 100

The inductive 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 WISE01 100**
Water meter model	Sensus C620 020 (L165 Q3 4,0 R160 M UA)
Pulse coefficient	1 pulse per 1 liter
Connector sealing degree	IP67
Connector type	PY07-6
Length of the connection cable	1.5 m

Operation

Operating temperature	1 °C…60 °C
Warranty period of lifetime, 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