

Smart external connection sensor for Baylan water meters

Part number: Jooby Aquaris SNS WMBA02 100



The magnetic Sensor is designed to transmit water-meter readings to the Jooby OMNI RM LoRaWAN 4PU 204 EU Pulse Radio Module. The Sensor is mounted on the meter housing and connected to the module. After installation, it records the number of revolutions of the water meter's built-in magnet, generates pulses with a specified coefficient, and transmits them to the Pulse Radio Module.

Data transmission is performed in the form of count pulses, the number of which is equal to or proportional to the revolutions of the water meter's magnet. All information is stored in the Radio Module's non-volatile memory and, at specified intervals, sent via the LoRaWAN wireless network to a server, where it is converted into readings.

Technical characteristics

Sensor model	Jooby Aquaris SNS WMBA02 100
Water meter model	Baylan KK-12
Pulse coefficient	1 pulse per 100 liter
Connector sealing degree	IP67
Connector type	PY07-6
Length of the connection cable	1.5 m

Operation

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