

Smart external connection sensor for Elster water meters

Part number: Jooby Aquaris SNS WIEL02 100



The inductive Sensor is designed to transmit data from analog water meters to the Jooby OMNI RM LoRaWAN 4PU 200 / 204 Pulse Radio Module. The device is mounted on the metering instrument housing and connected to the module. After installation, the Sensor begins to register the number of revolutions of the water meter's measuring pointer and transmits the data to the Pulse Radio Module.

Data transmission from the Sensor is carried out in the form of count pulses: their number is equal to or a multiple of the number of revolutions of the water meter pointer. All information received from the Sensor is stored in the Module's non-volatile memory and, at specified intervals, transmitted via the LoRaWAN wireless network to a server, where it is converted into readings.

Technical characteristics

Sensor model	Jooby Aquaris SNS WIEL02 100
Water meter model	Elster V200
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
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