

Optoelectronic pulser for Maddalena SJ PLUS EVO and VTZ water meters, and Modularis water meters (other manufacturers)



A state-of-the-art built-in optical sensor detects the revolution of the sweep hand indicating the litres. It also detects the direction of the water flow. In the event of reverse flow, the meter will count internally the volume flowed. A maximum of 1000 pulses is allowed for. When the forward flow is restored, no pulses are generated until the value of the volume flowed is zero.

## TECHNICAL SPECIFICATIONS

Type	Optoelectronic device
Power supply	Built-in lithium battery, service life of over 12 years
Pulse factor	1 pulse = 1 litre / 1 pulse = 10 litres
Output	NPN open collector
Maximum pulse frequency	10 Hz
Cable	Bipolar, observe polarity (white and brown)
Cable length	2 m
Maximum voltage	30 Vdc
Maximum current	30 mA
Pulse duration	50 ms
Pulse pause	> 50 ms
Resistance ON (contact closed)	200 Ohm
Resistance OFF (contact open)	10 MOhm
Operating temperature	0 °C ÷ +70 °C
Storage temperature	-25 °C ÷ +70 °C
Protection rating	IP68, resin potted electronic sensor
Certifications	EC, European directive on electromagnetic compatibility
Reference standards	EN 61000-6-1, EN 61000-6-3

## CONNECTIONS

V (max.) = 30 Vdc

I (max.) = 30 mA

S0 + = white

S0 - = brown

