

# Sonata dual pulse output



## Applications

The Sonata is an advanced and highly accurate ultrasonic water meter for residential applications.

The Sonata's Dual Pulse output provides consumption values at a high resolution.

Each of the two independent digital output channels can be configured to best match the data resolution required by the utility.

## Special Features

- 2 Pulse Outputs
- Each Pulse Output can be set to forward/reverse

## Technical Specification

### General:

- Electronics & battery sealed
- Cable length: 1.3m
- Environmental operation: min -20 °C/max +60 °C
- Storage: min -20 °C / max +70 °C
- Protection rating: IP68
- Life time= 12 Years\*
- Configurable - Pulse per 1/10/100/1000 liter

\*Test condition: Sonata 3/4"; Q3=4 m<sup>3</sup>/h constantly; pulse width=100 msec ; Pulse Resolution= 10 Liter per pulse

## Pulse Interface

The Sonata pulse output has one cable with 4 wires, color coded as follows:

Wire	Function
Red + Orange	Out#1
Black + Brown	Out#2

## Output Characteristics

Outputs type	Bi-Directional Solid State Relay
On-Resistance max.	35 [Ω]
Minimum pulse width	10 [msec]
Load current (AC/DC)	120 [mA]
Total power dissipation max.	800 [mW]
Max voltage AC/DC	36 [V]