

# WALC

## ■ Warm water flow sensor with Woltman technology

### ***Applications***

Suitable for most hot water and heating applications. For water up to +130 °C. Built-in pulse output. No power supply needed.



### ***Characteristics***

- Woltman meter for energy and hot water
- Certified acc. EN1434
- REEE pulse output as standard
- Dynamic measuring range 1: 100 (alternatively 1:250)

### ***Strengths***

- Very low pressure drop
- Accurate flow measurement in warm water
- Cost-effective remote reading through pulse output
- All mounting directions possible
- High IP class

## ■ Intended use

WALC is a Woltman water meter used for energy and warm water. The meter is certified accordance with the Measuring Instruments Directive (MID) EN1434.

Meters for billing must be validated within a time period specified by local legislation.

Meter does not need straight pipe lines.

## ■ Function and measurement principle

The meter consists of:

- One Woltman flow sensor that measures flow
- One roller counter unit with 2m pulse output cable

## ■ Communication

The meter has a pulse output with pulse value depending on size.

## ■ Options

The following options are available today.

### ***External accessories***

- Energy calculator
- Flanges
- Check valve

## ■ Data

### ***Classification***

Specification	Data
<b>Metrological class</b>	2014/32/EU / EN4064 Class 3
<b>Mechanical class</b>	M1 acc. 2014/32/EU
<b>Electric class</b>	E2 acc. 2014/32/EU
<b>Environmental class</b>	C enl. 2014/32/EU

### ***Temperatures***

Specification	Data
<b>Ambient temperature</b>	Flow sensor: +5...65 °C
<b>Medium temperature</b>	+0,1....130 °C
<b>Temperature sensors</b>	Pt500 (Option)

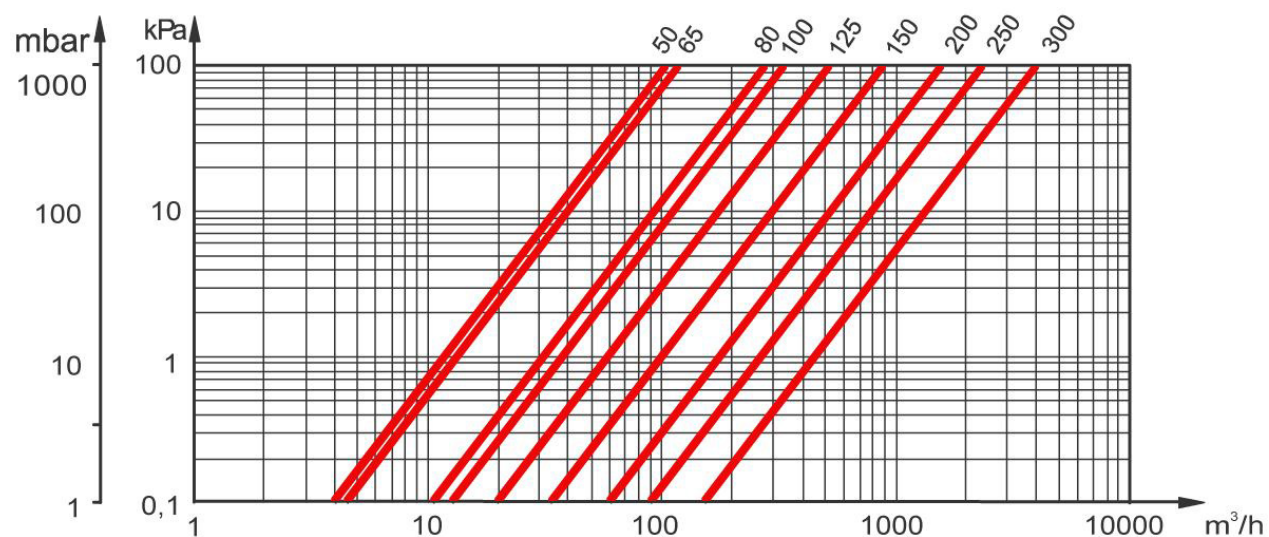
### ***Pulse outputs***

Specification	Data
<b>Number of outputs</b>	1
<b>Type, pulse output</b>	REED
<b>Voltage/current, pulse output</b>	Up to 10W
<b>Pulse value, output</b>	Q3 15...60 = 100 l/p Q3 150...450 = 1000 l/p

## Technical data

Nominal diameter / length (mm)	Nominal flow qp (m³/h)	Max flow Q4 (m³/h)	Min flow Q1 (m³/h)	Approx. starting flow (m³/h)	Pressure class ΔP	Connection	Weight (kg)
DN 50 / 200	<b>15</b>	30	0,6	0,25	16	Flange	10
DN 65 / 200	<b>25</b>	50	1,0	0,3	16	Flange	11
DN 80 / 230	<b>45</b>	90	1,6	0,35	16	Flange	16
DN 100 / 250	<b>60</b>	120	2,4	0,6	16	Flange	19
DN 150 / 300	<b>150</b>	300	6,0	2	16	Flange	39
DN 200 / 350	<b>250</b>	500	10	4	16	Flange	52
DN 250 / 450	<b>400</b>	800	40	8	16	Flange	75

## Pressure drop



Notes

## ■ About Ambiductor

Ambiductor focus in the following areas:

- Energy meters
- Water meters
- Internet-of-Things through LoRa
- Oil meters and meters for industrial liquids
- Smart metering / data collection

Ambiductor is an engineering company with many years of experience in metering technology, automation and remote reading. Our customers experience a high level of service and wide range of application solving.

See instructional videos and assembly guides on [www.ambiductor.se/support](http://www.ambiductor.se/support)

### *Disclaimer!*

*If there is any inconsistency between this version and the original document, the original document will prevail.*

## **Ambiductor**

### **Flow & Energy Analysis Systems**

Armévägen 61-63	+46 (0)8 501 676 76
S-187 64 TÄBY	Sweden
<a href="mailto:info@ambiductor.se">info@ambiductor.se</a>	<a href="http://www.ambiductor.se">www.ambiductor.se</a>

