

# Dosimass Coriolis flowmeter

## The compact sensor with an ultra-compact transmitter



More information and current pricing:

[www.be.endress.com/8BE](http://www.be.endress.com/8BE)

### Benefits:

- High process safety – high measuring accuracy for different media in shortest filling time
- Fewer process measuring points – multivariable measurement (flow, density, temperature)
- Space-saving installation – no in/outlet run needs
- Versatile and time-saving wiring – plug connector
- Fast commissioning – pre-configured devices
- Automatic recovery of data for servicing

### Specs at a glance

- **Max. measurement error** Mass flow (liquid):  $\pm 0.15\%$  Density (liquid):  $\pm 0.0005 \text{ g/cm}^3$
- **Measuring range** 0 to 18 000 kg/h (0 to 660 lb/min)
- **Medium temperature range**  $-40$  to  $+125 \text{ }^\circ\text{C}$  ( $-40$  to  $+257 \text{ }^\circ\text{F}$ )  $150 \text{ }^\circ\text{C}$  allowed for 1 h
- **Max. process pressure** PN 40
- **Wetted materials** Measuring tube: 1.4539 (904L) Connection: 1.4404 (316/316L)

**Field of application:** Dosimass is specially designed for filling and bottling applications. It measures volume and mass flow directly with temperature and density compensation to ensure maximum repeatability. Designed for applications where space is a premium, Dosimass will be the preferred choice for system integrators, skid builders and equipment manufacturer.

### Features and specifications

## Liquids

### Measuring principle

Coriolis

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### Product headline

The compact sensor with an ultra-compact transmitter.  
Measurement of liquids with the most diverse properties in continuous process control & batching applications.

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### Sensor features

High process safety – high measuring accuracy for different media in shortest filling time. Fewer process measuring points – multivariable measurement (flow, density, temperature). Space - saving installation – no in-/outlet run needs.

Nominal diameter: DN 8 to 25 ( $\frac{3}{8}$  to 1"). Various hygienic process connections, 3-A conform. CIP, SIP cleanable sensor.

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### Transmitter features

Versatile and time-saving wiring – plug connector. Fast commissioning – pre-configured devices. Automatic recovery of data for servicing.  
Robust, ultra - compact transmitter housing. Pulse/frequency/switch output, Modbus RS485. Excellent and easily cleanable transmitter.

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### Nominal diameter range

DN 8 to 25 ( $\frac{3}{8}$  to 1")

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### Wetted materials

Measuring tube: 1.4539 (904L)

Connection: 1.4404 (316/316L)

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### Measured variables

Mass flow, density, temperature, volume flow

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### Max. measurement error

Mass flow (liquid):  $\pm 0.15$  %

Density (liquid):  $\pm 0.0005$  g/cm<sup>3</sup>

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### Measuring range

0 to 18 000 kg/h (0 to 660 lb/min)

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## Liquids

**Max. process pressure**PN 40

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**Medium temperature range**

-40 to +125 °C (-40 to +257 °F)

150 °C allowed for 1 h

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**Ambient temperature range**-20 to +60 °C (-4 to +140 °F)

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**Sensor housing material**1.4301 (304), corrosion resistant

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**Transmitter housing material**1.4308 (304)

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**Degree of protection**IP67, type 4X enclosure

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**Display/Operation**

No local operation

Configuration via operating tools possible

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**Outputs**Pulse/frequency/switch output (passive)

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**Inputs**None

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**Digital communication**Modbus RS485

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**Power supply**DC 20 to 30 V

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**Hazardous area approvals**ATEX, IECEx, cCSAus

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## Liquids

### Other approvals and certificates

3.1 material, calibration performed on accredited calibration facilities (acc. to ISO/IEC 17025), NAMUR

3-A

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### Product safety

CE

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