

# Magphant electromagnetic flowmeter

The cost-effective limit switch for reliable and repeatable flow monitoring



More information and current pricing:

[www.endress.com/DTI200](http://www.endress.com/DTI200)

## Benefits:

- High plant availability – reliable flow information
- Energy-saving flow measurement – no pressure loss due to cross-section constriction
- Maintenance-free – no moving parts
- Process safety – device self-monitoring and reliable monitoring even with empty piping
- Product safety – integrated testing to check correct functioning of the electronics
- Easy operation – potentiometer setting of full-scale value

## Specs at a glance

- **Max. measurement error** 2%
- **Measuring range** 0 to 56'550 m<sup>3</sup>/h
- **Medium temperature range** -20 to +120°C (-4 to +248°F)
- **Max. process pressure** 0 to 16 bar abs
- **Wetted materials** 1.4435/316L

**Field of application:** The cost-effective, compact limit switch Magphant is an ideal flowmeter for water applications in Utilities. Its reliable measurement with high repeatability allows for universal and easy use and supports safe process- and plant operation.

## Features and specifications

Liquids

**Measuring principle**

Electromagnetic

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## Liquids

### Product headline

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### Sensor features

High plant availability – reliable flow information. Energy-saving flow measurement – no pressure loss due to cross section constriction. Maintenance-free – no moving parts. Compact, space-saving design. Nominal diameter: DN 15 to 2000 (½ to 80").

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### Transmitter features

Process safety – device self-monitoring and reliable monitoring even with empty piping. Product safety – integrated testing to check correct functioning of the electronics. Easy operation – potentiometer setting of full-scale value. Switch point setting via rotary switch. Current output and relay output.

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### Nominal diameter range

DN15 to DN2000  
1/2" to 80"

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### Wetted materials

1.4435/316L

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### Measured variables

Volume flow

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### Max. measurement error

2%

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### Measuring range

0 to 56'550 m<sup>3</sup>/h

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### Max. process pressure

0 to 16 bar abs

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### Medium temperature range

-20 to +120°C  
(-4 to +248°F)

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## Liquids

**Ambient temperature range**

-20...60 °C (-4 to 140°F)

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**Sensor housing material**

Die-cast aluminium, epoxy powder coated

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**Degree of protection**

IP 66 / NEMA 4X / Type 4X

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**Display/Operation**

Test function

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**Outputs**

4 to 20 mA

Relay

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**Inputs**

None

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**Power supply**

24 V DC (20...30 V DC)

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**Hazardous area approvals**

FM

CSA

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**Product safety**

CE, EAC

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