

# Deltatop DO62C



More information and current pricing:

[www.casc.endress.com/DO62C](http://www.casc.endress.com/DO62C)

## Benefits:

- Selectable according to the application: operational compact version or modular remote version
- Optimized for minimum pressure loss, highest accuracy and maximum measuring dynamics
- Measuring range of the Deltabar differential pressure transmitter adjusted on delivery
- Measurement method globally standardized according to ISO 5167
- Optional symmetric orifice for bidirectional measurements
- Cost-effective solution thanks to its robust design without moving parts

## Specs at a glance

- **Max. measurement error** typically < 1% of calculated volume or mass acc. ISO5167 without calibration. Uncertainty of primary element excluding uncertainty of density or compensation.
- **Measuring range** 2.5 ... 150'000m<sup>3</sup>/h 12.5 ... 750'000 kg/h at 10bar/230°C
- **Medium temperature range** Compact version: -200°C ... 200°C -328°F ... 392°F Remote version: -200°C ... 1000°C -328°F ... 1832°F
- **Max. process pressure** PN6 ... 160 Cl.150 ... 2500

**Field of application:** The Deltatop DO62C is part of the differential pressure flow measurement with orifices and Deltabar differential pressure transmitter. It is an undivided standard orifice with carrier ring in compact or remote design and included accessories.

## Features and specifications

Liquids

Measuring principle

## Liquids

### Product headline

Calculated volume or mass flow measurement. dp primary element (orifice).

Orifice plate with carrier ring and single bore corner taps.

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### Sensor features

Internationally standardized ISO5167-2.

Undivided carrier ring.

Compact or remote design.

Optimizable for minimized pressure loss, improved uncertainty or maximized Turndown.

Deltabar S/M differential pressure transmitter.

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### Nominal diameter range

DN 25...1000

1" ... 40"

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### Max. measurement error

typically < 1% of calculated volume or mass acc. ISO5167 without calibration.

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### Measuring range

0.1 ... 15'000m<sup>3</sup>/h

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### Max. process pressure

PN6 ... 160

Cl.150 ... 2500

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### Medium temperature range

Compact version:

-200°C ... 200°C

-328°F ... 392°F

Remote version:

-200°C ... 1000°C

-328°F ... 1832°F

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## Liquids

**Degree of protection**

Transmitter (Deltabar):

IP67

NEMA6P

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**Display/Operation**

Transmitter (Deltabar):

4-line display

3 push buttons

Quick setup

HistoROM

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**Outputs**

Transmitter (Deltabar):

4 ... 20 mA

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**Digital communication**

Transmitter (Deltabar):

HART

PROFIBUS PA

FOUNDATION Fieldbus

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**Hazardous area approvals**

Transmitter (Deltabar):

ATEX

FM

CSA

IEC

TIIS

NEPSI

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## Gas

**Measuring principle**

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## Gas

**Product headline**

Calculated volume or mass flow measurement. dp primary element (orifice).

Orifice plate with carrier ring and single bore corner taps.

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**Sensor features**

Internationally standardized ISO5167-2.

Undivided carrier ring.

Compact or remote design.

Optimizable for minimized pressure loss, improved uncertainty or maximized Turndown.

Deltabar S/M differential pressure transmitter.

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DN 25...1000

1" ... 40"

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typically < 1% of calculated volume or mass acc. ISO5167 without calibration.

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**Measuring range**

2.5 ... 150'000m<sup>3</sup>/h

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**Max. process pressure**

PN6 ... 160

Cl.150 ... 2500

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**Medium temperature range**

Compact version:

-200°C ... 200°C

-328°F ... 392°F

Remote version:

-200°C ... 1000°C

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## Gas

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**Hazardous area approvals**

Transmitter (Deltabar):

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## Steam

**Measuring principle**

## Steam

**Product headline**

Calculated volume or mass flow measurement. dp primary element (orifice).

Orifice plate with carrier ring and single bore corner taps.

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**Sensor features**

Internationally standardized ISO5167-2.

Undivided carrier ring.

Compact or remote design.

Optimizable for minimized pressure loss, improved uncertainty or maximized Turndown.

Deltabar S/M differential pressure transmitter.

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**Nominal diameter range**

DN 25...1000

1" ... 40"

---

**Max. measurement error**

typically < 1% of calculated volume or mass acc. ISO5167 without calibration.

Uncertainty of primary element excluding uncertainty of density or compensation.

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**Measuring range**

2.5 ... 150'000m<sup>3</sup>/h

12.5 ... 750'000 kg/h at 10bar/230°C

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**Max. process pressure**

PN6 ... 160

Cl.150 ... 2500

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**Medium temperature range**

Compact version:

-200°C ... 200°C

-328°F ... 392°F

Remote version:

-200°C ... 1000°C

-328°F ... 1832°F

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## Steam

**Degree of protection**

Transmitter (Deltabar):  
IP67  
NEMA6P

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**Display/Operation**

Transmitter (Deltabar):  
4-line display  
3 push buttons  
Quick setup  
HistoROM

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**Outputs**

Transmitter (Deltabar):  
4 ... 20 mA

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**Digital communication**

Transmitter (Deltabar):  
HART  
PROFIBUS PA  
FOUNDATION Fieldbus

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**Hazardous area approvals**

Transmitter (Deltabar):  
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