

# Deltatop DO64P



More information and current pricing:

[www.at.endress.com/DO64P](http://www.at.endress.com/DO64P)

## 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 < 1,5% of calculated volume or mass acc. ISO5167 without calibration.
- **Measuring range** 0.1 ... 15'000m<sup>3</sup>/h
- **Medium temperature range** Remote version: -200°C ... 1000°C  
-328°F ... 1832°F
- **Max. process pressure** PN6 ... 100 Cl.150 ... 2500

**Field of application:** The Deltatop DO64P is part of the differential pressure flow measurement with orifices and Deltabar differential pressure transmitter. It is an orifice plate for mounting between two flanges.

## Features and specifications

Liquids

**Measuring principle**

Differential pressure

## Liquids

### Product headline

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

Orifice plate for existing flanges.

### Sensor features

Internationally standardized ISO5167-2.

Orifice plate only.

All tapping types possible.

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

Deltabar S/M differential pressure transmitter.

### Nominal diameter range

DN 25...1000

1" ... 40"

### Max. measurement error

typically < 1,5% of calculated volume or mass acc. ISO5167 without calibration.

### Measuring range

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

### Max. process pressure

PN6 ... 100

Cl.150 ... 2500

### Medium temperature range

Remote version:

-200°C ... 1000°C

-328°F ... 1832°F

### Degree of protection

Transmitter (Deltabar):

IP67

NEMA6P

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## Liquids

**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**

Differential pressure

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**Product headline**

Calculated volume or mass flow measurement. dp primary element (orifice).  
Orifice plate for existing flanges.

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## Gas

**Sensor features**

Internationally standardized ISO5167-2.

Orifice plate only.

All tapping types possible.

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

Deltabar S/M differential pressure transmitter.

**Nominal diameter range**

DN 25...1000

1" ... 40"

**Max. measurement error**

typically < 1,5% 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

**Max. process pressure**

PN6 ... 100

Cl.150 ... 2500

**Medium temperature range**

Remote version:

-200°C ... 1000°C

-328°F ... 1832°F

**Degree of protection**

Transmitter (Deltabar):

IP67

NEMA6P

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**Gas****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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**Steam****Measuring principle**

Differential pressure

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**Product headline**

Calculated volume or mass flow measurement. dp primary element (orifice).  
Orifice plate for existing flanges.

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**Steam****Sensor features**

Internationally standardized ISO5167-2.

Orifice plate only.

All tapping types possible.

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 < 1,5% 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 ... 150'000 m<sup>3</sup>/h

12.5 ... 750'000 kg/h at 10bar/230°C

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**Max. process pressure**

PN6 ... 100

Cl.150 ... 2500

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**Medium temperature range**

Remote version:

-200°C ... 1000°C

-328°F ... 1832°F

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**Degree of protection**

Transmitter (Deltabar):

IP67

NEMA6P

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**Steam****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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