

Deltatop DN62S



More information and current pricing:

www.apsc.endress.com/DN62S

Benefits:

- Customized or application-specific flowmeter systems based on the dp method for special applications, such as: low pressure loss, abrasion resistance, calibrated meter runs, extended nominal diameter range, controlled pressure reduction
- Optimized for minimum pressure loss, maximum accuracy or maximum turndown
- Measuring range of the Deltabar differential pressure transmitter adjusted on delivery
- Application of international standards (e.g. ISO 5167)
- Robust design and no moving parts

Specs at a glance

- **Max. measurement error** typically < 1% (ISA1932-nozzle) or 2% (long radius nozzle) of calculated volume or mass acc. ISO5167 without calibration. Uncertainty of primary element excluding uncertainty of density or compensation.
- **Measuring range** 15 ... 225'000 m³/h 75 kg/h ... 1'100 t/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** PN2,5 ... 400 Cl.150 ... 2500

Field of application: The Deltatop DN62S is part of the universal differential pressure flowmeter systems with primary elements as Venturi tubes, nozzles, orifice plates and dp transmitters Deltabar. As with Venturi tubes, a wide variety of nozzles are available. These nozzles can be standardized or developed in line with manufacturers specifications. Practically all versions can be provided by Endress+Hauser. A nozzle consists of a convergent section with a rounded profile and a cylindrical throat.

Features and specifications

Steam

Measuring principle

Differential pressure

Product headline

Calculated volume or mass flow measurement. dp primary element (nozzle). ISA1932-nozzle or long radius nozzle.

Sensor features

Internationally standardized ISO5167-3.

Meter runs.

Weld-In or flanged versions.

Special materials.

Compact or remote design.

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

Deltabar S/M differential pressure transmitter.

Nominal diameter range

DN 50...800

2" ... 32"

Max. measurement error

typically < 1% (ISA1932-nozzle) or 2% (long radius nozzle) of calculated volume or mass acc. ISO5167 without calibration.

Uncertainty of primary element excluding uncertainty of density or compensation.

Measuring range

15 ... 225'000 m³/h

75 kg/h ... 1'100 t/h at 10bar/230°C

Max. process pressure

PN2,5 ... 400

Cl.150 ... 2500

Steam**Medium temperature range**

Compact version:

-200°C ... 200°C

-328°F ... 392°F

Remote version:

-200°C ... 1000°C

-328°F ... 1832°F

Degree of protection

Transmitter (Deltabar):

IP67

NEMA6P

Display/Operation

Transmitter (Deltabar):

4-line display

3 push buttons

Quick setup

HistoROM

Outputs

Transmitter (Deltabar):

4 ... 20 mA

Digital communication

Transmitter (Deltabar):

HART

PROFIBUS PA

FOUNDATION Fieldbus

Hazardous area approvals

Transmitter (Deltabar):

ATEX

FM

CSA

IEC

TIIS

NEPSI

Steam

Liquids

Measuring principle

Differential pressure

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Internationally standardized ISO5167-3.

Meter runs.

Weld-In or flanged versions.

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Deltabar S/M differential pressure transmitter.

Nominal diameter range

DN 50...800

2" ... 32"

Max. measurement error

typically < 1% (ISA1932-nozzle) or 2% (long radius nozzle) of calculated volume or mass acc. ISO5167 without calibration.

Measuring range

0.5 ... 25'000m³/h

Max. process pressure

PN2,5 ... 400

Cl.150 ... 2500

Liquids

Medium temperature range

Compact version:

-200°C ... 200°C

-328°F ... 392°F

Remote version:

-200°C ... 1000°C

-328°F ... 1832°F

Degree of protection

Transmitter (Deltabar):

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Transmitter (Deltabar):

ATEX

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Liquids

Gas

Measuring principle

Differential pressure

Product headline

Calculated volume or mass flow measurement. dp primary element (nozzle). ISA1932-nozzle or long radius nozzle.

Sensor features

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Meter runs.

Weld-In or flanged versions.

Special materials.

Compact or remote design.

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Deltabar S/M differential pressure transmitter.

Nominal diameter range

DN 50...800

2" ... 32"

Max. measurement error

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Uncertainty of primary element excluding uncertainty of density or compensation.

Measuring range

15 ... 225'000m³/h

Max. process pressure

PN2,5 ... 400

Cl.150 ... 2500

Gas

Medium temperature range

Compact version:

-200°C ... 200°C

-328°F ... 392°F

Remote version:

-200°C ... 1000°C

-328°F ... 1832°F

Degree of protection

Transmitter (Deltabar):

IP67

NEMA6P

Display/Operation

Transmitter (Deltabar):

4-line display

3 push buttons

Quick setup

HistoROM

Outputs

Transmitter (Deltabar):

4 ... 20 mA

Digital communication

Transmitter (Deltabar):

HART

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Hazardous area approvals

Transmitter (Deltabar):

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Gas

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