

Deltatop DV61S



More information and current pricing:

www.au.endress.com/DV61S

Benefits:

- Customized or application-specific flowmeter systems based on the dp method for special applications, such as: low pressure loss, high 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)
- Cost-effective solution thanks to its robust design without moving parts

Specs at a glance

- **Max. measurement error** typically 1...2 % of calculated volume or mass acc. ISO5167 without calibration. Uncertainty of primary element excluding uncertainty of density or compensation.
- **Measuring range** 15 ... 1'000'000 m³/h
- **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 DV61S is part of the universal differential pressure flowmeter systems with primary elements as Venturi tubes, nozzles, orifice plates and differential pressure transmitters Deltabar. Many versions of Venturi tubes are available and standardized in accordance with a range of international or national standards, practically all of which can be provided by Endress+Hauser.

Features and specifications

Gas

Measuring principle

Differential pressure

Product headline

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

Classical venturi tube.

Sensor features

Internationally standardized ISO5167-4.

Machined, welded (rolled) or -as cast- version.

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...2000

2" ... 80"

Max. measurement error

typically 1...2 % of calculated volume or mass acc. ISO5167 without calibration.

Uncertainty of primary element excluding uncertainty of density or compensation.

Measuring range

15 ... 1'000'000 m³/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

PROFIBUS PA

FOUNDATION Fieldbus

Hazardous area approvals

Transmitter (Deltabar):

ATEX

FM

CSA

IEC

TIIS

NEPSI

Gas

Steam

Measuring principle

Differential pressure

Product headline

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

Classical venturi tube.

Sensor features

Internationally standardized ISO5167-4.

Machined, welded (rolled) or -as cast- version.

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...2000

2" ... 80"

Max. measurement error

typically 1...2 % of calculated volume or mass acc. ISO5167 without calibration.

Uncertainty of primary element excluding uncertainty of density or compensation.

Measuring range

15 ... 1'000'000 m³/h

75 ... 5'000 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

Steam**Hazardous area approvals**

Transmitter (Deltabar):

ATEX

FM

CSA

IEC

TIS

NEPSI

Liquids**Measuring principle**Differential pressure

Product headline

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

Classical venturi tube.

Sensor features

Internationally standardized ISO5167-4.

Machined, welded (rolled) or -as cast- version.

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...2000

2" ... 80"

Max. measurement errortypically 1...2 % of calculated volume or mass acc. ISO5167 without calibration.

Liquids**Measuring range**0.6 ... 120'000m³/h

Max. process pressure

PN2,5 ... 400

Cl.150 ... 2500

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

Liquids

Hazardous area approvals

Transmitter (Deltabar):

ATEX

FM

CSA

IEC

TIIS

NEPSI

More information www.au.endress.com/DV61S