LENNTECH
WATER TREATMENT SOLUTIONS

Deltatop DP63D

More information and current pricing:
www.endress.com/DP63D

Benefits:

- Selectable according to the application: operational compact version or modular remote version
- Optimized for minimum pressure loss and highest accuracy
- Deltabar differential pressure transmitter ready adjusted
- Display configured for flow rate, differential pressure or 0 to 100 %
- Suited 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.
- **Measuring range** 90 … 100'000m3/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** PN6 … 100 Cl.300 … 600

Field of application: The Deltatop DP63D is part of the differential pressure flow measurement with orifices and Deltabar differential pressure transmitter. It is an average pressure Pitot tube with diamond profile, who has the possibility to have an integrated temperature measurement.

Features and specifications

Liquids

Measuring principle

Liquids

Product headline

Calculated volume or mass flow measurement. dp primary element (Pitot).
Averaging pitot tube with 42mm diamond profile.

Sensor features

Insertion system.
Pipe size DN300...4000 ; 12...160".
Retractable version available.
Bidirectional measurement.
Compact or remote design.
Deltabar S/M differential pressure transmitter.

Nominal diameter range

DN 300 ... 4000
12" ... 160"

Max. measurement error

typically 1% of calculated volume or mass.

Measuring range

90 ... 100'000m3/h

Max. process pressure

PN6 ... 100
Cl.300 ... 600

Medium temperature range

Compact version:
-200°C ... 200°C
-328°F ... 392°F
Remote version:
-200°C ... 1000°C
-328°F ... 1832°F

Liquids

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

Measuring principle

Gas

Product headline

Calculated volume or mass flow measurement. dp primary element (Pitot).
Averaging pitot tube with 42mm diamond profile.

Sensor features

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Pipe size DN300...4000 ; 12...160".
Retractable version available.
Bidirectional measurement.
Compact or remote design.
Deltabar S/M differential pressure transmitter.

Nominal diameter range

DN 300 ... 4000
12" ... 160"

Max. measurement error

typically 1% of calculated volume or mass.
Uncertainty of primary element excluding uncertainty of density or compensation.

Measuring range

2'000 ... 2'000'000 m3/h

Max. process pressure

PN6 ... 100
Cl.300 ... 600

Medium temperature range

Compact version:
-200°C ... 200°C
-328°F ... 392°F
Remote version:
-200°C ... 1000°C
-328°F ... 1832°F

Gas

Degree of protection

Transmitter (Deltabar):
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NEMA6P

Display/Operation

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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

Measuring principle

Steam

Product headline

Calculated volume or mass flow measurement. dp primary element (Pitot).
Averaging pitot tube with 42mm diamond profile.

Sensor features

Insertion system.
Pipe size DN300...4000 ; 12...160".
Retractable version available.
Bidirectional measurement.
Compact or remote design.
Deltabar S/M differential pressure transmitter.

Nominal diameter range

DN 300 ... 4000
12" ... 160"

Max. measurement error

typically 1% of calculated volume or mass.

Measuring range

90 ... 100'000m3/h

Max. process pressure

PN6 ... 100
Cl.300 ... 600

Medium temperature range

Compact version:
-200°C ... 200°C
-328°F ... 392°F
Remote version:
-200°C ... 1000°C
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Steam

Degree of protection

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