Prosonic Flow Inline 93C

Meer informatie en actuele prijzen:
www.be.endress.com/93C

Voordelen:

- Geen productieverliezen – verwijdering of vervanging van sensorelementen zonder procesonderbreking
- Geen extra drukverlies – uitvoering met volle doorlaat
- Procestransparantie – geschikt voor diagnose
- Maximale prestaties – uitgebreide functionaliteit en diagnose
- Flexibele gegevensoverdrachtsopties – talrijke communicatietypen
- Automatisch herstel van gegevens voor onderhoud

Overzicht specificaties

- **Max. meetfout** +/-0.5 %
- **Measuring range** 0 to 40000 m3/h 0 to 180000GPM
- **Medium temperature range** -20 to +60°C (-4 to 140°F)
- **Max. process pressure** PN 16, Cl. 150
- **Wetted materials** Sensor housing: 1.4404/DN 17440 (316L/AISI) Weld-in parts: 1.4404/DN 17440 (316L/AISI) Measuring pipe: ST 37.2 (carbon steel)

Toepassingsgebied: De ultrasone inline-flowmeter Prosonic Flow C is gebaseerd op de Prosonic Flow W insteeksensor. Deze is ontworpen voor de water- en afvalwaterindustrie. In combinatie met de Prosonic Flow 93-transmitter met aanraakbediening, 4-regelig display en uitgebreide functionaliteit biedt de Prosonic Flow 93C hoge nauwkeurigheid in standaardtoepassingen.

Kenmerken en specificaties

Liquids

Meetprincipe
Ultrasonic flow

Liquids

Product headline

Accurate flowmeter for large pipes up to DN 1200 and with a wide range of outputs.
Inline flow measurement of process water, salt water, demineralized water, drinking and wastewater.

Sensor features

No production losses – removal or replacement of sensor elements without process shutdown. No additional pressure loss – full-bore design. Process transparency – diagnostic capability.
Internationally recognized drinking water approvals. Nominal diameter: DN 300 to 1200 (12 to 48"). Medium temperature: –10 to 80 °C (14 to 176 °F).

Transmitter features

Highest performance – extended functionality and diagnostics. Flexible data transfer options – numerous communication types. Automatic recovery of data for servicing.
Aluminium transmitter housing. 4 - line backlit display with touch control. HART, PROFIBUS PA/DP, FOUNDATION Fieldbus.

Nominal diameter range

DN 300 to 1200(12" to 48")

Wetted materials

Sensor housing: 1.4404/DN 17440 (316L/AISI)
Weld-in parts: 1.4404/DN 17440 (316L/AISI)
Measuring pipe: ST 37.2 (carbon steel)

Measured variables

Volume flow channel 1 or 2, sound velocity, flow velocity, average volume flow, average sound velocity, average flow velocity, totalizer

Max. meetfout

+/-0.5 %

Measuring range

0 to 40000 m3/h 0 to 180000GPM

Liquids

Max. process pressure
PN 16, Cl. 150

Medium temperature range
-20 to +60°C (-4 to 140°F)

Ambient temperature range
Transmitter:
–20 to +60 °C (–4 to +140 °F)
Sensor:
–20 to +80 °C (–4 to +176 °F)

Transmitter housing material
Wall-mounted housing: powder-coated die-cast aluminum

Degree of protection
Transmitter
IP 67 (NEMA 4X)
Sensor
IP 68 (NEMA 6P)

Display/Operation
4 lines backlit display with three optical keys

Outputs
1x 4-20 mA HART
1x Pulse/frequency/switch output (passive)

Inputs
N/A

Digital communication
HART, PROFIBUS PA, PROFIBUS DP, FOUNDATION Fieldbus

Power supply
AC 85 to 260 V
AC 20 to 55 V
DC 16 to 62V

Liquids

Hazardous area approvals

FM

CSA

Product safety

CE, C-Tick

Meer informatie **www.be.endress.com/93C**

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