

Prosonic Flow Inline 93C



Mais informações e preço atual:

www.br.endress.com/93C

Benefícios:

- No production losses – removal or replacement of sensor elements without process shutdown
- No additional pressure loss – full-bore design
- Process transparency – diagnostic capability
- Highest performance – extended functionality and diagnostics
- Flexible data transfer options – numerous communication types
- Automatic recovery of data for servicing

Especificações resumidas

- **Max. measurement error** +/-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)

Campo de aplicação: The inline ultrasonic flowmeter Prosonic Flow C is based on the Prosonic Flow W insertion sensor. It was designed for the water and wastewater industry. Combined with the Prosonic Flow 93 transmitter with touch control, four-line display and extended functionality, Prosonic Flow 93C offers high accuracy in standard applications.

Características e especificações

Liquids

Measuring principle

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. measurement error

+/-0.5 %

Measuring range

0 to 40000 m³/h 0 to 180000GPM

Liquids

Max. process pressurePN 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 materialWall-mounted housing: powder-coated die-cast aluminum

Degree of protection

Transmitter

IP 67 (NEMA 4X)

Sensor

IP 68 (NEMA 6P)

Display/Operation4 lines backlit display with three optical keys

Outputs

1x 4-20 mA HART

1x Pulse/frequency/switch output (passive)

InputsN/A

Digital communicationHART, 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

Mais informações www.br.endress.com/93C