

Proline Prosonic Flow I 400 ultrasone flowmeter

Insteekflowmeter met Heartbeat Technology en webserver voor de water-afvalwaterindustrie



Meer informatie en actuele prijzen:

www.be.endress.com/914B

Voordelen:

- Lage investeringskosten – kostenefficiëntie neemt toe met pijpdiameter (tot DN 4000/160")
- Langdurig stabiel signaal – onderhoudsvrije directe installatie van de sensor in het medium
- Procestransparantie – geschikt voor diagnose
- Veilige bediening – geen noodzaak om het instrument te openen dankzij display met aanraakbediening en achtergrondverlichting
- Volledige toegang op afstand – webserver
- Geïntegreerde diagnose, verificatie en bewaking – Heartbeat Technology

Overzicht specificaties

- **Max. meetfout** Volume flow: $\pm 2\%$ o.r. above DN200
- **Measuring range** 0 to 15 m/s (0 to 50 ft/s)
- **Medium temperature range** -40 to $+80$ °C (-40 to $+176$ °F)
- **Max. process pressure** N/A
- **Wetted materials** Insertion system: Sensor holder 1.4301 (304), 1.4404 (316L) Sensor housing 1.4301 (304), 1.4404 (316L)

Toepassingsgebied: De Prosonic Flow I 400 combineert insteeksensortechnologie met de voordelen van onze Proline 400-transmitters, zoals Heartbeat Technology voor veilige procesbewaking en webserver-toegang voor eenvoudige installatie en werking. De Prosonic Flow I 400 is rechtstreeks vastgelast aan de pijpwand en is speciaal geschikt voor grote pijpleidingen zoals waterdistributieleidingen en projecten waarbij een vaste instrumentmontage nodig is.

Kenmerken en specificaties

Liquids

Meetprincipe

Ultrasonic flow

Product headline

Insertion meter with Heartbeat Technology and web server for the water and wastewater industry.

Bidirectional flow measurement of water and wastewater.

Sensor features

Low capital investment – cost-effectiveness increases with pipe diameter (up to DN 4000/156"). Long-term stable signal – maintenance-free permanent mounting from outside with coupling pads. Process transparency – diagnostic capability.

Supports two parallel measurement paths. For large diameters: DN 200 to 4000 (8 to 160"). Medium temperature: -40 to +80 °C (-40 to +176 °F).

Transmitter features

Safe operation – no need to open the device due to display with touch control, background lighting. Full remote access – web server. Integrated diagnostics, verification and monitoring – Heartbeat Technology.

Transmitter housing made of durable polycarbonate or aluminium.

Remote version for wall mounting. Integrated data logger: measured values monitoring.

Nominal diameter range

DN200 to 4000 (8 to 160")

Wetted materials

Insertion system:

Sensor holder 1.4301 (304), 1.4404 (316L)

Sensor housing 1.4301 (304), 1.4404 (316L)

Measured variables

Volume flow, Flow velocity, Sound velocity

Liquids

Max. meetfout

Volume flow: $\pm 2\%$ o.r. above DN200

Measuring range

0 to 15 m/s (0 to 50 ft/s)

Max. process pressure

N/A

Medium temperature range

-40 to +80 °C (-40 to +176 °F)

Ambient temperature range

-20 to 60°C (-4 to 140°F)

Sensor housing material

N/A

Transmitter housing material

Wall-mounted housing:
Polycarbonat; AlSi10Mg, coated

Degree of protection

Transmitter: IP66/67, Type 4X enclosure
Sensor: IP66/67, Type 4X enclosure, IP68, Type 6P enclosure (optional)

Display/Operation

4-line backlit display with touch control (operation from outside)
Configuration via local display, web browser and operating tools possible

Outputs

3 outputs:
4-20 mA/4-20 mA HART (active)
Pulse/frequency/switch output (passive)
Pulse/frequency/switch output (passive)

Inputs

Status input

Liquids

Digital communication

HART

Power supply

AC 100 to 240 V / AC/DC 24 V

Approvals

cCSAus, EAC

Other approvals and certificates

Other approvals and certificates

Product safety

Product safety

Marine approvals and certificates

Marine approvals and certificates

Meer informatie www.be.endress.com/9I4B