

Prowirl 72F



More information and current pricing:

www.de.endress.com/72F

Benefits:

- Highest process safety – dualsens version enables redundant measurement
- High availability – proven robustness, resistance to vibrations, temperature shocks & water hammer
- No maintenance – lifetime calibration
- Cost-effective – designed for standard applications and with calculated mass flow measurement
- Fast commissioning – application-specific Quick Setups
- Fully industry compliant – IEC/ATEX/FM/CSA/TIIS/NEPSI

Specs at a glance

- **Max. measurement error** Volume flow: $\pm 1.0\%$
- **Measuring range** 3...19'700 m³/h
- **Medium temperature range** -200...+400°C (-328...+752°F) up to +450°C / 842°F on request
- **Max. process pressure** PN10...250 CI 150...1500 JIS 10...40K

Field of application: The Prowirl 72F is designed for the universal measurement of the volume flow of gases, steam and liquids. The proven and patented capacitive DSC sensor ensures high precision measured values even under the toughest process conditions. The Prowirl 72F offers genuine, industry-compliant two-wire technology for seamless integration into existing infrastructures and control systems.

Features and specifications

Liquids

Measuring principle

Vortex

Liquids

Product headline

Volume flow meter for measurement of basic liquid / gas /steam applications

Nominal diameter range

DN 15...300
1/2"...12"

Max. measurement error

+/-0.75 %

Measuring range

0.16...2'360 m³/h

Max. process pressure

PN10...250
CI 150...1500
JIS 10...40K

Medium temperature range

-200...+400°C
(-328...+752°F)
up to +450°C / +842°F on request

Degree of protection

IP 67
NEMA 4x

Display/Operation

Two line liquid
crystal display
Push buttons
Quick Setup

Outputs

4...20mA
Pulse
Status
PFM

Liquids**Inputs**

-

Digital communication

HART

PROFIBUS PA

FOUNDATION Fieldbus

Hazardous area approvals

ATEX

FM

CSA

TIIS

NEPSI/IEC on request

Gas**Measuring principle**

Vortex

Product headline

Volume flow meter for measurement of basic liquid / gas /steam applications

Nominal diameter range

DN 15...300

1/2"...12"

Max. measurement error

Volume flow: +-1.0 %

Measuring range

3...19'700 m3/h

Max. process pressure

PN10...250

CI 150...1500

JIS 10...40K

Gas

Medium temperature range

-200...+400°C

(-328...+752°F)

up to +450°C / 842°F on request

Degree of protection

IP 67

NEMA 4x

Display/Operation

Two line liquid

Crystal display

Push buttons

Quick Setup

Outputs

4...20mA

Pulse/Frequency

Status

Inputs

-

Digital communication

HART

PROFIBUS PA

FOUNDATION Fieldbus

Hazardous area approvals

ATEX

FM

CSA

TIIS

NEPSI/IEC on request

Steam

Measuring principle

Vortex

Steam

Product headline

Volume flow meter for measurement of basic liquid / gas /steam applications

Nominal diameter range

DN 15...300
1/2"...12"

Max. measurement error

Volume flow: +-1.0 %

Measuring range

3...19'700 m³/h

Max. process pressure

PN10...250
CI 150...1500
JIS 10...40K

Medium temperature range

-200...+400°C
(-328...+752°F)
up to +450°C / 842°F on request

Degree of protection

IP 67
NEMA 4x

Display/Operation

Two line liquid
Crystal display
Push buttons
Quick Setup

Steam

Outputs

4...20mA

Pulse

Status

PFM

Inputs-

Digital communication

HART

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Hazardous area approvals

ATEX

FM

CSA

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