

Prowirl 72W



More information and current pricing:

www.casc.endress.com/72W

Benefits:

- Easy alignment of the sensor – included centering rings
- 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** 4...5'210 m³/h
- **Medium temperature range** -200...+400°C (-328...+752°F) up to +450°C / 842°F on request
- **Max. process pressure** PN10...40 CI 150...300 JIS 10...20K

Field of application: The wafer device Prowirl 72W 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. Prowirl 72W offers genuine, industry-compliant two-wire technology for seamless integration into existing infrastructures and control systems.

Features and specifications

Gas

Measuring principle

Vortex

Product headline

Space saving volume flow meter for measurement of basic liquid / gas / steam applications

Gas

Nominal diameter range

DN 15...150

1/2"...6"

Max. measurement errorVolume flow: $\pm 1.0\%$ **Measuring range**4...5'210 m³/h**Max. process pressure**

PN10...40

CI 150...300

JIS 10...20K

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

Inputs

-

Gas

Digital communication

HART
PROFIBUS PA
FOUNDATION Fieldbus

Hazardous area approvals

ATEX
FM
CSA
TIIS
NEPSI/IEC on request

Steam

Measuring principle

Vortex

Product headline

Space saving volume flow meter for measurement of basic liquid / gas / steam applications

Nominal diameter range

DN 15...150
1/2"...6"

Max. measurement error

Volume flow: +/-1.0 %

Measuring range

4...5'210 m³/h

Max. process pressure

PN10...40
CI 150...300
JIS 10...20K

Steam

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

Inputs

-

Digital communication

HART

PROFIBUS PA

FOUNDATION Fieldbus

Hazardous area approvals

ATEX

FM

CSA

TIIS

NEPSI/IEC on request

Liquids

Measuring principle

Vortex

Product headline

Space saving volume flow meter for measurement of basic liquid / gas / steam applications

Nominal diameter range

DN 15...150

1/2"...6"

Max. measurement error

+/-0.75 %

Measuring range

0.16...625 m³/h

Max. process pressure

PN10...40

CI 150...300

JIS 10...20K

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

Liquids**Outputs**

4...20mA
Pulse/Frequency
Status
PFM

Inputs

-

Digital communication

HART
PROFIBUS PA
FOUNDATION Fieldbus

Hazardous area approvals

ATEX
FM
CSA
TIIS
NEPSI/IEC on request

More information www.casc.endress.com/72W