

# Prowirl 72W



More information and current pricing:

[www.apsc.endress.com/72W](http://www.apsc.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 m<sup>3</sup>/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

### Liquids

#### Measuring principle

#### Product headline

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

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## Liquids

**Nominal diameter range**

DN 15...150

1/2"...6"

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**Max. measurement error**

+-0.75 %

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**Measuring range**0.16...625 m<sup>3</sup>/h

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**Max. process pressure**

PN10...40

CI 150...300

JIS 10...20K

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**Medium temperature range**

-200...+400°C

(-328...+752°F)

up to +450°C / +842°F on request

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**Degree of protection**

IP 67

NEMA 4x

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**Display/Operation**

Two line liquid

crystal display

Push buttons

Quick Setup

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**Outputs**

4...20mA

Pulse/Frequency

Status

PFM

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**Inputs**

-

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**Liquids****Digital communication**

HART  
PROFIBUS PA  
FOUNDATION Fieldbus

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**Hazardous area approvals**

ATEX  
FM  
CSA  
TIIS  
NEPSI/IEC on request

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**Gas****Measuring principle**

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**Product headline**

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

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**Nominal diameter range**

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

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**Max. measurement error**

Volume flow: +/-1.0 %

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**Measuring range**

4...5'210 m<sup>3</sup>/h

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**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

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## Gas

**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

## Steam

**Measuring principle****Product headline**

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

## Steam

**Nominal diameter range**

DN 15...150

1/2"...6"

**Max. measurement error**Volume flow:  $\pm 1.0\%$ **Measuring range**4...5'210 m<sup>3</sup>/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**

-

## Steam

### Digital communication

HART  
PROFIBUS PA  
FOUNDATION Fieldbus

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### Hazardous area approvals

ATEX  
FM  
CSA  
TIIS  
NEPSI/IEC on request

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