Paddle Wheel Flow Transmitter DW-FS

with a large measuring range

The figure shows the flow transmitter DW-F, which is similar to the DW-FS.

- Paddle wheel transmitter
- Large measuring range
- High sensitivity
- Linear output signal
- Economical variant

D-EN-DWFS-20190410

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Schmidt Mess- und Regeltechnik

Paddle Wheel Flow Transmitter DW-FS

with a large measuring range

Principle of operation
As a measuring principle, a paddle wheel with magnetic / Hall sensor signal transmission system is used.

Assembly
For assembly, the enclosed nozzle is welded onto the existing pipe and the device is screwed on.

Application
By restricting to the essential functions a very compact design could be realized, at a very reasonable price. The DW-FS can be used for piping from DN40 to DN80 and outputs a 4-20mA signal proportional to the flow rate.

Through an integrated chip, which is programmed by the customer, the output signal can be freely assigned to the flow. This makes the system extremely flexible.

Features
- Paddle wheel principle
- For liquids
- High measuring sensitivity and very wide measuring range
- High-quality bearings
- Linear output signal
- High precision in a wide temperature range
- Very good price/performance ratio
- Optional: RS232C interface
- Totalizator

Technical data	
Measuring principle	Paddle wheel
Housing	Stainless steel (1.4571)
Paddle wheel	POM
Bearing	Ruby / Sapphire
Axis	Carbide
Accuracy	±2% of final value
Power supply	12 – 24V DC
Analog output	4-20mA calibrated
Ambient temperature	-40°C – 80°C
Medium temperature	-40°C – 100°C
Electrical connection	Cable 3m
Measuring range	0,3 – 5 m/s

Important instructions!
Technical changes and errors reserved.
Pictures can be similar.
The operating instructions belonging to this device must be observed! Download at www.schmidt-messtechnik.com.

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