



Flow Transmitter DW-D

Flow monitor according to the baffle plate principle for liquids



- Robust and dirt-resistant
- Swing system replaceable
- Easy mounting
- Pendulum system completely in stainless steel
- Low pressure loss

D-EN-DWD-20190213



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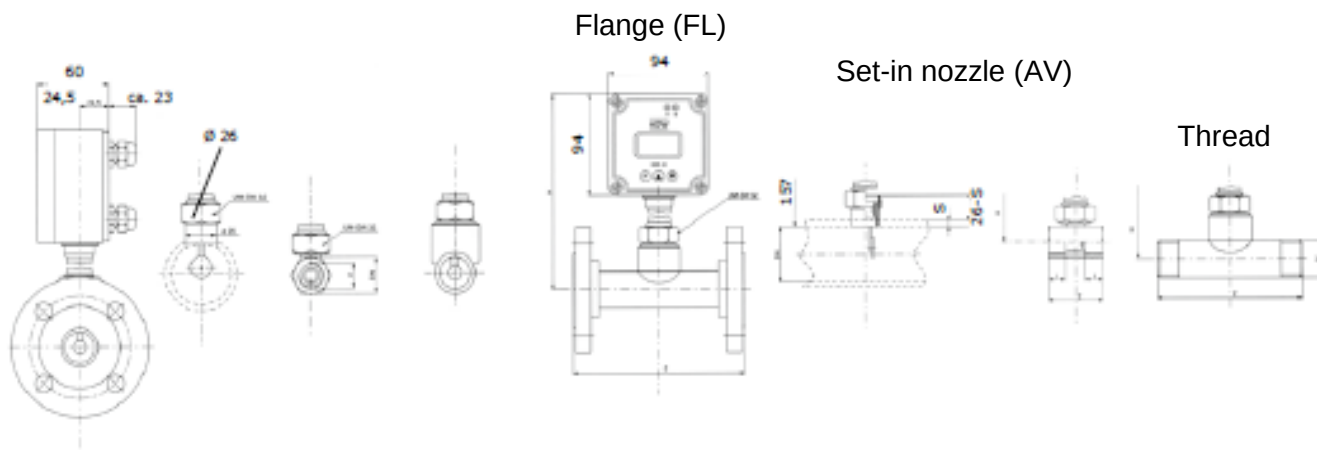
Characteristics

- Extremely reliable path-rash measurement method
- For liquids and gases
- Insensitive to contamination (except magnetic particles)
- No bearings, no friction
- Very large measuring range
- Linear output signal
- High accuracy in a wide temperature range
- Very good value for money
- Optional: RS232C interface
- Totalizer

Description

The DW-D is a flow transmitter with digital display of instantaneous flow, analogue output, totalizer, voltage output, two adjustable switching relays and limit switch monitoring point indicator. It works according to the patented pendulum principle with progressive restoring force.

Connection options





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Technical Data	
Current consumption	200 mA max.
Electrical power supply	24 V DC $\pm$ 10%
Analogue output	4-20 mA
Voltage output	0-10 V
Totalisator	with EEPROM store
Display	LCD DOT Matrix-Modul, 2 x 8 digits, illuminated
Medium temperature	-20°C – 100°C (other ranges on request)
Accuracy	$\pm$ 2% from the terminal value
Protection class	IP 65
Metering range	Flow relation 1:10 standard (e.g. 10-100 l/min)
Max. pressure	25 bar (higher values on request)
Flow direction	any
Switch contacts	2 x 230 V 1 A max., adjustable

Dimensions							
NW (mm)	10	15	20	25	32	40	50
Connection thread R/RP	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	2"
Overall length Z (female thread) Material A (mm)	50	50	50	50	50	50	170***
Overall length Z (female thread)* Material B (mm)	50	50	50				
Overall length Z (male thread)** Materialaus B (mm)				135	170	170	170
Overall length Z (with side flanges) Material A+B (mm)	155 $\pm$ 2	155 $\pm$ 2	155 $\pm$ 2	155 $\pm$ 2	190 $\pm$ 2	190 $\pm$ 2	190 $\pm$ 2
Overall height H Material A/B (mm)	157/157	157/157	157/157	162/178	162/178	162/178	179/188

For the dimensions of the material version C (PVC) we ask for a separate request.

* Male thread on request, ** female thread on request, *** male thread

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Measuring range for water 20°C						
Connection male thread	Nominal width DN	min H ₂ O		max. H ₂ O		Flow ratio
		in l/min	in m ³ /h	in l/min	in m ³ /h	
3/8"	10	1,5		25		1:10
1/2"	15	1,5		45		1:10
3/4"	20	5		100		1:10
1"	25	6		150		1:10
1 1/4"	32	10		250		1:10
1 1/2"	40	20	1,2	400	24	1:10
2"	50	50	3	600	36	1:10
2 1/2"	65	80	4,8	1000	60	1:10
3"	80	120	7,2	1500	90	1:10
4"	100	200	12	2400	144	1:10
5"	125	300	18	4000	255	1:10
6"	150	400	24	4500	330	1:10
8"	200	700	42	10000	600	1:10
10"	250	1200	72	15000	900	1:10
12"	300	1700	100	20000	1200	1:10
14"	350	2500	150	30000	1800	1:10
16"	400	3000	180	40000	2400	1:10
20"	500	5000	300	60000	3600	1:10
24"	600	7000	420	75000	4500	1:10

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Material						
Material	Connection	T-fitting	Pendulum	Housing	Flange	Connector
brass (A)	threaded connection	brass	stainless steell	Messing		
brass (A)	flange connection	brass	stainless steell	Messing	steel	
brass (A)	set-in nozzle		stainless steell	Messing		steel
stainless steel (B)	threaded connection	stainless steell	stainless steell	stainless steell		
stainless steel (B)	flange connection	stainless steell	stainless steell	stainless steell	stainless steell	
stainless steel (B)	set-in nozzle		stainless steell	stainless steell		stainless steell
PVC	threaded connection	PVC	stainless steell	stainless steell		
PVC	flange connection	PVC	stainless steell	stainless steell	PVC	
PVC	clamp		stainless steell	stainless steell		PVC