

Flow Monitor Flow Indicator

DWM/A



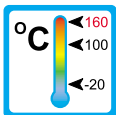
Operation

The flow monitors and indicators type DWM/A operate with the float measuring principle



Application

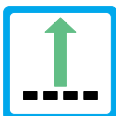
The flow monitors and indicators type DWM/A are used for measuring and monitoring volumeflow of liquid media.



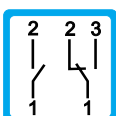
Areas of application:



– Coolingsystems and cooling circuits



– Mechanical Engineering
e.g. Weldingmachinery,
Laserplants



– Medicine technology

– Pharma industry

– Chemical industry



– Research and development



Features

The DWM/A series proves itself through reliable function and easy handling

- high reliability
- high switch accuracy
- wide switch range
- infinitely variable switchpoint adjustment through user
- EX-version to ATEX available
- high pressure resistance
- Threaded connection
Special threads on request

Installation hints

The instrument must be installed vertically in the flow circuit. The flowdirection is from bottom to top.

The flow monitor must not be used as a supporting part in a pipeconstruction!

The medium must not contain any solid particles!
We recommend the installation of strainers type SFD or SFM.

External magnetic fields influence the switch contact. Keep adequate distance to those magnetic fields (e.g. electromotors)!

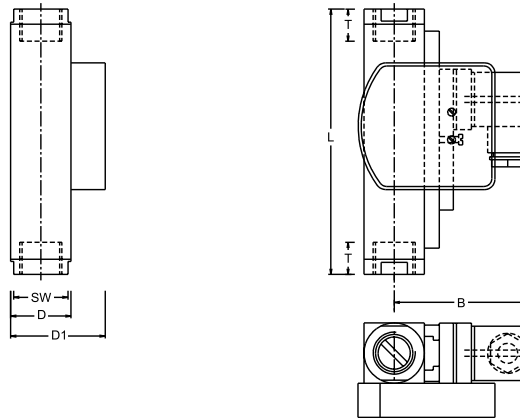
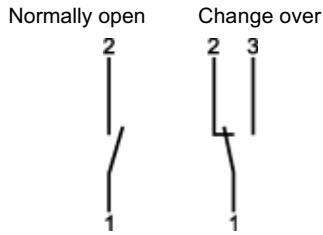
The operating instruction for DWM/A must be observed under any circumstances!

DWM/A 1 0002 08-04 E M



Measuring Ranges, Technical Data

Connection diagram:



Summary of types DWM/A

Typ	Switch range* H ₂ O [l/min]	Overall dimensions mm								Weight approx. [g]
		SW	D	D1	B	G	DN	T	L	
DWM/A - 1,5	0,1 - 1,5	27	30	47	71	1/4"	8	14	131	850
DWM/A - 3	0,2 - 3					3/8"	10	19		
DWM/A - 8	0,3 - 8					1/2"	15	19		
DWM/A - 12	1 - 12	27	30	47	71	1/2"	15	19	148	850
DWM/A - 18	2 - 18					3/4"	20	17		
DWM/A - 35	3 - 35	34	40	57	76	3/4"	20	18	152	1500
DWM/A - 50	4 - 50	40				1"	25	19		

* Other media on request

Operating data	DWM/A	
Operating pressure:	PN 200 bar (Brass)	PN 300 bar (Stainless Steel)
Pressure drop:	0,02 - 0,2 bar	
Maximum temperature:	100 °C (optional 160 °C)	
Accuracy:	± 5% of full scale	
Electrical data	Normally open	Change over
IP 65 (plug connection DIN 43650)	max. 250V • 3A • 100VA	max. 250V • 1,5A • 50VA
IP 67 (1m sealed in cable)		
Atex II 2G EEx m II T6 (2m sealed in cable)	max. 250V • 2A • 60VA	max. 250V • 1A • 30VA
EEx m II T6 (2m sealed in cable)	max. 250V • 2A • 60VA	max. 250V • 1A • 30VA
EEx ia IIC T6 (2m sealed in cable)	max. 45V • 1A	max. 45V • 1A
Output signal:	The contact opens / changes, when the flow falls below set point.	
Power supply:	Not required (potentialfree reed contact)	
Other plug types or cable lengths on request		
Material	Brass	Stainless Steel
Wetted parts:	Brass nickel-plated	1.4571
Float: (wetted part)	Brass nickel-plated	1.4571
Gaskets (wetted part)	Perbunan (optional Viton, EPDM)*	Viton (optional Perbunan, EPDM)*

* Other gasket materials on request

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