

Flow Monitor

DWM



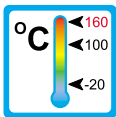
Operation

The flow monitors type DWM operate with the float measuring principle



Application

The flow monitors type DWM are used for monitoring volumeflow of liquid media



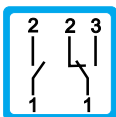
Areas of application:



– Mechanical Engineering
e.g. Weldingmachinery,
Laserplants



– Medicine technology



– Pharma industry

– Chemical industry

– Research and development



Features

The DWM series proves itself through reliable function and easy handling. Further characteristics of this sturdy type are:

- 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)!

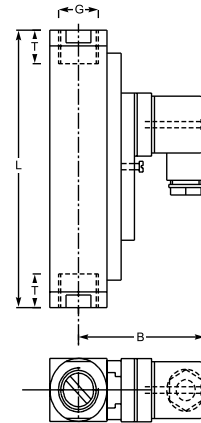
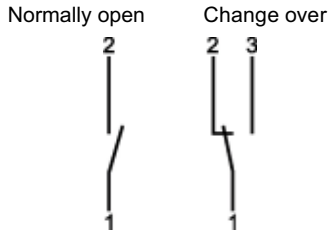
The operating instruction for DWM must be observed under any circumstances!

DWM 1 0002 08-04 E M



Measuring Ranges, Technical Data

Connection diagram



Summary of types DWM

Type	Switch range* H ₂ O [l/min]	Overall dimensions mm							Weight approx. [g]
		SW	D	B	G	DN	T	L	
DWM - 1,5	0,1 - 1,5	27	30	71	1/4"	8	14	131	800
DWM - 3	0,2 - 3				3/8"	10	19		
DWM - 8	0,3 - 8				1/2"	15	19		
DWM - 12	1 - 12				1/2"	15	19		
DWM - 18	2 - 18	27	30	71	1/2"	15	19	148	800
		32	30	71	3/4"	20	17	174	960
DWM - 35	3 - 35	34	40	76	3/4"	20	18	152	1450
DWM - 50	4 - 50	40			1"	25	19	156	1450

* Other media on request

Operating data		DWM	
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 the 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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