



MASTERPIECES  
MADE IN GERMANY

## Flow Monitor

# WBM-65

H<sub>2</sub>O



## OVERVIEW

### Operation

- Float measuring principle

### Application

- Cooling systems and cooling circuits
- Mechanical engineering
- Plant construction
- Pharmaceutical industry
- Chemical industry

### Features

- Universal orientation
- High reliability
- High flow rates
- Flange connection in compliance with DIN EN 1092-1
- Seal in compliance with DIN EN 1514-1

### Installation information

- The operating instructions for WBM-65 Module BASICS must be observed!
- **Download: [www.meister-flow.com](http://www.meister-flow.com)**

WBM-65 1 0005 12-15 E M

## OPERATING DATA

<b>Operating pressure, max.</b>	16 bar (optional: PN 25)
<b>Pressure drop</b>	0,3 bar
<b>Temperature, max.</b>	100 °C (optional 160 °C)
<b>Measuring accuracy</b>	±10 % of full scale

## MEASURING RANGES

Type	Switch point for H <sub>2</sub> O at 20 °C <sup>(1)</sup>	
	m <sup>3</sup> /h	
WBM-65		
Lowest switch point	8	
Highest switch point	20	

<sup>(1)</sup> The specified measuring- / switch ranges are valid for water having a density of 1.00 kg/dm<sup>3</sup>, vertical installation of the device and flow direction from bottom to top.

Other installation positions or deviation from the operating densities will increase the measurement error specified in the data sheet.

Operating density for water at 20 °C and 1.013 bar (absolute value): 1.00 kg/dm<sup>3</sup>.

Upon request, special scales for deviating media, different operating conditions and installation positions (only for devices which can be installed in any position) are available.

The specified switch values are switch-off points, i.e. switch values by decreasing flow.

## MATERIALS

Brass version, wetted parts	
Spring:	1.4571
Gaskets:	NBR (optional FKM, EPDM) <sup>(2)</sup>
Magnets:	Hard ferrite
Device body:	Brass, nickel-plated
Flange:	1.4571
all other wetted parts:	Brass

Stainless steel version, wetted parts	
Spring:	1.4571
Gaskets:	FKM (optional NBR, EPDM) <sup>(2)</sup>
Magnets:	Hard ferrite
Device body:	1.4571
Flange:	1.4571
all other wetted parts:	1.4571

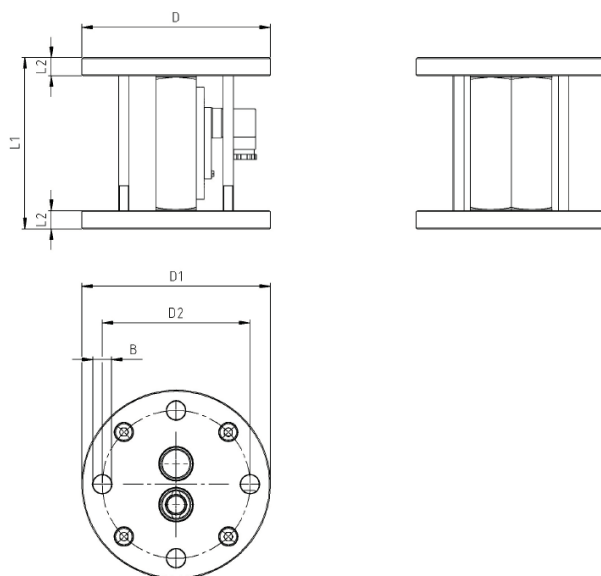
<sup>(2)</sup> Other gasket materials on request



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## ■ TECHNICAL DRAWING



## ■ SUMMARY OF TYPES

Type	Overall dimensions [mm]												Weight approx. [g]
	PN	DN	n	L1	L2	T	D	D1	D2	A1	A2	A3	
WBM-65	16	65	4	168	18	18	185	185	145	-	-	-	1340
	25	65	8	176	22	18	185	185	145	-	-	-	1500

WBM-65 3 0001 12-15 E M

## ELECTRICAL DATA

<b>Change over (COC)</b>	250V · 1,5A · 50VA <sup>(3)</sup>
<b>Normally open (NOC)</b>	250V · 3A · 100VA
<b>Change over M12x1 (-20 °C – 85 °C)</b>	250V · 1,5A · 50VA <sup>(3)</sup>
<b>Normally open M12x1 (-20 °C – 85 °C)</b>	250V · 3A · 100VA
<b>Change over PLC</b>	250V · 1A · 60VA

<sup>(3)</sup> Minimum load 3VA

## ELECTRICAL CONNECTION

- Connector in compliance with EN 175301-803, Form A (DIN 43650, Form A)
- Connector M12x1
- Cable (1 m)

### Ingress Protection

IP65: Connector in compliance with EN 175301-803, Form A  
IP67: Cable or connector M12x1

### Output signal

The contact opens / changes when the flow decreases below the set point.

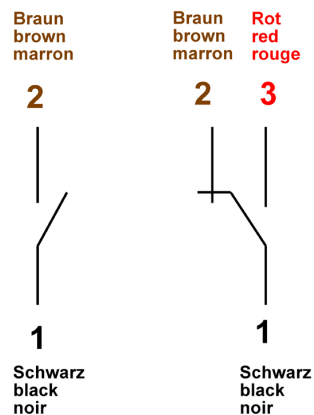
### Power supply

Not required (potential-free reed contacts)

### Connector types

Other connector types or cable lengths on request

## CONNECTION DIAGRAM



WBM-65 4 0001 12-15 E M