



Flow Monitor RMU-B

Float measuring principle for liquids



D-EN-RMU-B-20200526

- Universal orientation
- High reliability
- Low sensitivity to dirt



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Features

- Universal orientation
- High reliability
- Low sensitivity to dirt
- Infinitely variable switch point adjustment by operator
- High pressure resistance
- Threaded connection, special thread on request

Application

- Cooling systems and cooling circuits
- Mechanical engineering
- High pressure cleaners
- Research & Development

Operating data

Operating pressure max.	250 bar (brass version)
Pressure drop	0,05 – 0,3 bar
Temperature, max.	100°C (optional 160°C)
Measuring accuracy	±10 % of full scale

Installation information

- The operating instructions for
- RMU-B Module BASICS must be observed!
- Download: www.schmidt-messtechnik.de

Measuring ranges

Type	Switch range for H ₂ O at 20°C (1)		
	[l/min]	[gph]	[gpm]
RMU-B02	0,4 – 1,7	6,5 - 27	
RMU-B12	5,5 – 10	87 – 159	
RMU-B18	8,5 – 15,5	135 - 245	

(1) The specified measuring- / switch ranges are valid for water having a density of 1.00 kg/dm³, 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/dm³.

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.

Other measuring- /switch ranges are available upon request.

Materials, brass version, wetted parts

Spring:	1.4571
Float:	brass
Magnets:	hard ferrite
Device body:	brass

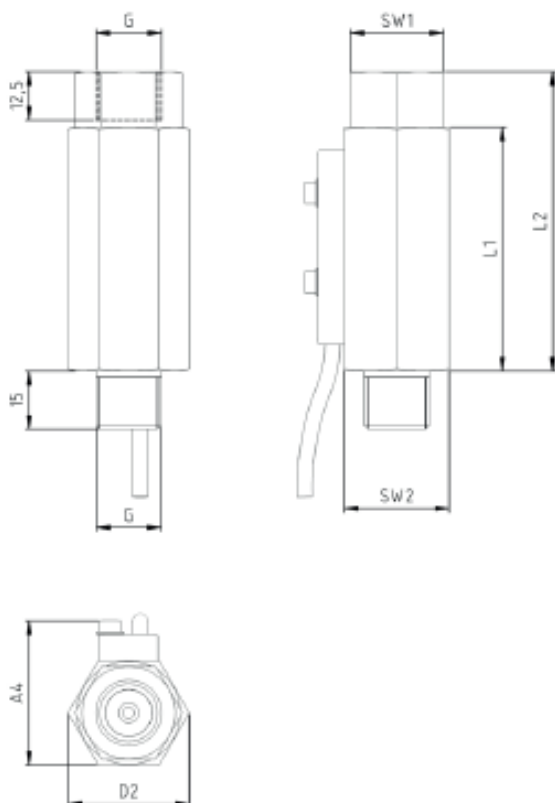
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Technical drawing



Summary of types													
Type	Overall dimensions [mm]												Weight ⁽⁴⁾ approx. [g]
	G (AG) ⁽³⁾	G (IG) ⁽³⁾	DN	SW 1	SW 2	L1	L2	D2	A1	A2	A3	A4	
RMU-B02	3/8"	3/8"	10	24	27	63	77,3	31,2	-	-	-	37,5	320
RMU-B12	3/8"	3/8"	10	24	27	63	77,3	31,2	-	-	-	37,5	320
RMU-B18	3/8"	3/8"	10	24	27	63	77,3	31,2	-	-	-	37,5	320

(3) NPT thread on request

(4) Connection cable weight, 2 m approx. 80 g

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Connection diagram

Connector in compliance with EN 175301-803 and cable

M12x1

Change over (COC)



Change over (COC)



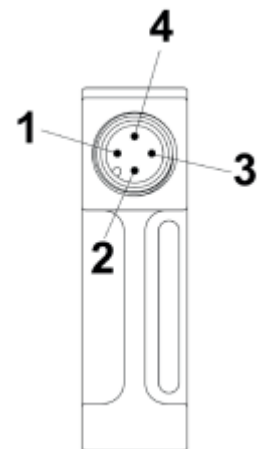
Normally open (NOC)



Normally open (NOC)



Pin-assignment





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Electrical data

Normally open (NOC) 230V ● 3A ● 60 VA

Electrical connection

Cable (1 m)

Ingress protection

IP67: Cable

Output signal

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

Power supply

Not required (potential-free reed contacts)

Connector types

Other cable length

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.