

# OEM-C mini-IP Flow Sensor

Series/Type: differential-pressure

Date: 30.04.2021  
Version: 1.1



## Product summary

Highly sensitive flow sensor for sampling and dosing applications.

- OEM-Design, minimal size
- Volume flow measurements up to 100 ml/min
- Pulse measurement > 20  $\mu$ l
- For water, oil and other low viscous media (< 100 mPas)
- Insusceptible to bubbles



## Technical Data

Ordering Nr.	OEM-C-mini-IP-B0/B1/B2
Connectors	1/4-28 UNF flat bottom (or specified by customer)
Materials in contact with media	PEEK, FPM, stainless steel (1.4301), silicone
Dimensions	40x20x16
Weight	15 g
Supply voltage	5 VDC, < 20 mA
Accuracy of volume flow [ml/min]	$\pm$ 2 % full scale
Communication	RS-232, Digital Output
Conformity	 

Version		OEM-C	OEM-C-	OEM-C-	
Parameters	Symbol	B0	B1	B2	Unit
Flow rate	V'	0 - 15	0 - 30	0 - 100	ml/min
Calibrated flow rate	V'	1 - 15	3 - 30	10 - 100	ml/min
Operating pressure	p <sub>w</sub>	0.0 - 1.8	0.0 - 1.8	0.0-1.8	bar (absolute)
Over pressure	p <sub>o</sub>	4	4	4	bar (absolute)
Burst pressure	p <sub>b</sub>	6	6	6	bar (absolute)
Working temperature	T <sub>w</sub>	10 - 50	10 - 50	10 - 50	°C
Flow detection response time	T <sub>63</sub>	10	10	10	ms
Restrictor orifice diameter	D <sub>min</sub>	200	300	500	$\mu$ m