

Continuous Flow Sensor

Series/Type: differential-pressure

Date: 20.07.2022
Version: 1.2



Product summary

Highly sensitive flow sensor for sampling and dosing applications.

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



Technical Data

Ordering Nr.	CFS-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	40x22x18
Weight	15 g
Supply voltage	5 VDC, < 20 mA
Accuracy of volume flow [ml/min]	± 2 % full scale
Communication	RS-232, Digital Output
Conformity	 

Version		CFS-B1	CFS-B2	
Parameters	Symbol			Unit
Flow rate	V'	0 - 30	0 - 100	ml/min
Calibrated flow rate	V'	3 - 30	10 - 100	ml/min
Operating pressure	p_w	0.0 - 1.8	0.0-1.8	bar (absolute)
Over pressure	p_o	4	4	bar (absolute)
Burst pressure	p_b	6	6	bar (absolute)
Working temperature	T_w	10 - 50	10 - 50	$^{\circ}$ C
Flow detection response time	T_{63}	10	10	ms
Restrictor orifice diameter	D_{min}	300	500	μ m