

OEM-C Flow Sensor

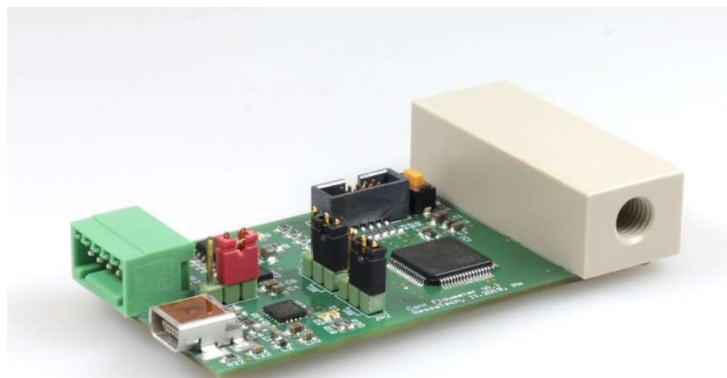
Series/Type: differential-pressure

Date: 9.11.2020
Version: 1.7



Product summary

Highly sensitive flow sensor for sampling and dosing applications.

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



Technical Data

| | |
|----------------------------------|---|
| Ordering Nr. | OEM-C-B0/B1/B2 |
| Connectors | ¼-28 UNF flat bottom |
| Materials in contact with media | PEEK, FPM, stainless steel (1.4301), fluorosilicone |
| Dimensions | 72x40x15 mm |
| Weight | 20 g |
| Supply voltage | 5 VDC |
| Standby current consumption | < 50 mA |
| Accuracy of volume flow [ml/min] | ± 2 % full scale |
| Communication | RS-232, USB (RS-485 on demand) |
| 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 _w | 0.0 - 1.8 | 0.0 - 1.8 | 0.0-1.8 | bar (absolute) |
| Over pressure | p _o | 4 | 4 | 4 | bar (absolute) |
| Burst pressure | p _b | 6 | 6 | 6 | bar (absolute) |
| Working temperature | T _w | 10 - 50 | 10 - 50 | 10 - 50 | °C |
| Flow detection response time | T ₆₃ | 10 | 10 | 10 | ms |
| Restrictor orifice diameter | D _{min} | 200 | 300 | 500 | µm |