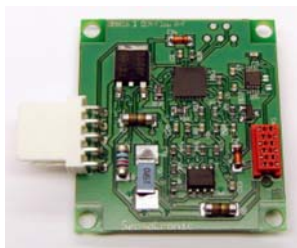


Specification Datasheet

Viamed

OEM-Flow A-F

Module for measurement of breathing gas flow with
 hot wire anemometer flow sensors



The OEM-Flow A-F module has been designed for measuring the breathing gas flow in respiratory and anaesthesia machines. It works with state-of-the-art hot-wire flow sensors.

The flow sensor is controlled with a precision driving circuit. The module is small-sized and works in a wide range of supply voltages. An RS232 interface is used to interchange the data with the host system. The board has an ADC resolution of 12 bit and a sampling rate of up to 500 samples/second.

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|---------------------|---|
| Part numbers | 4310101 |
| Model | OEM-Flow A-F module (hot-wire anemometric), 5V DC, 12 bit, 500 Hz |

Technical Data

| | |
|-----------------------------|---|
| Measuring principle | Constant temperature mode |
| Probe input | 1 x Hot-wire flow sensor |
| Measuring range | According to the sensor specifications |
| Accuracy | ± 5% in the range of 10 – 100l/min (board only) |
| Supply voltage | 5V DC; other voltages available on request |
| Current compensation | Depending on gas flow |
| Data interface | RS232 |
| Dimensions | Approximately 38 x 41 x 15mm |
| Weight | Approximately 10g |

Example of use

