

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.

CE

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

