



## **SpiroQuant P Flow Sensor**

# SpiroQuant P Flow Sensor

## Description

The SpiroQuant P flow sensor is a passive flow- differential pressure-converter for measuring of breathing gas flow in connection with the appropriate measuring unit (differential pressure gauge).



The sensor is designed as disposable sensor for single patient use in paediatric and adult applications with homogeneous oncoming flow. A re-use or cleaning is not allowed.

The sensor is non-sterile packed in plastic bags.

## Technical data

Measurement Range	0 - $\pm$ 100 SLPM (standard liter per minute)	
Pressure Range	0 - $\pm$ 350 Pa	
Accuracy	$\pm$ 12 % or 1 SLPM (=full) which ever is greatest $\pm$ 25 % or 2 SLPM (=reduced) which ever is greatest	
Characteristic	See curve and formula	
Operating Conditions	0 - 50 °C	with full accuracy
	-20 - 0 °C	with reduced accuracy
	0 - 99% RH	non-condensing
	850 - 1150 hPa	
	570 - 1200 hPa	only with external pressure compensation
Storage Conditions	-20 - +70 °C	
	5 - 95% RH	
	570 - 1200 hPa	
Pressure Drop (Flow Resistance)	< 30 Pa at 5 SLPM < 130 Pa at 30 SLPM < 230 Pa at 60 SLPM	
Frequency Response	Depending on appropriate measurement unit	
Dead Space	7 cm <sup>3</sup>	
Operating Time	< 24 h	
Weight	approx. 46 grams incl. tube	
Shelf Life	3 years	
Material	Housing parts	(MABS)
	Inner part	(PET)
	Tube	(PVC - medical grade)
Tube Length	1.8 m	
Applied standards	Complies with DIN EN ISO 5356-1, EN ISO 10993-1 EN ISO 23747, EN 794-1, EN 794-3 (applicable parts)	

## Order Information

## Part number

SpiroQuant P	1001117
Tubing clip	07-000027
Multi adapter	07-000025

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