

# Technical Datasheet

## Disposable Delta P Flow Sensor

### Overview

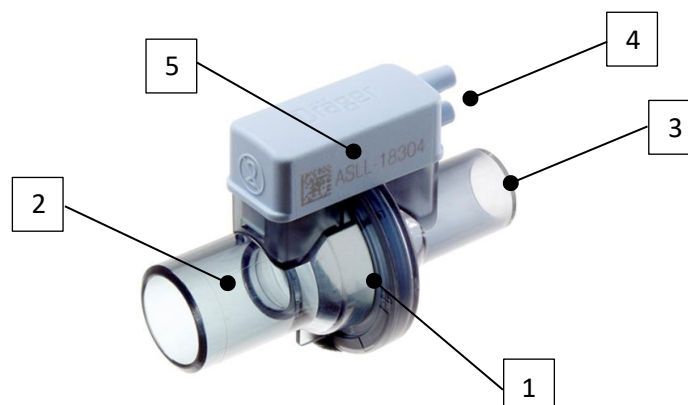
The Disposable Delta P Flow Sensor is based on differential pressure measurement via a flap as variable orifice. By using an appropriate measuring unit (differential pressure gauge) the differential pressure which is created by the bi-directional flow through the sensor can be converted into the corresponding flow of the breathing gas. The sensor is designed as proximal disposable sensor, is shock proved for transport conditions and is non-sterile single packed in plastic bags.

As an option the sensor can be delivered with pressure measuring lines of different length and a specific connector piece.

The sensor is completely designed and manufactured in Germany.

		Description / Comment	Material
1	Variable Orifice - Flap	-	PET
2	Housing with connector – Patient Side	15mm ID*	MABS
3	Housing with connector – Device Side	15mm OD*	MABS
4	Connection for measuring lines		MABS
5	Sensor ID	QR-Code	

\* acc. to DIN EN ISO 5356-1



## Detailed Specification MP02790

Flow range	0-180 l/min
Accuracy	+/-10% or 1,2L/min whichever is greater, ready to use
Dead space	<11ml (functional)
Resistance	Exp: <3mbar/l/s at a flowrate of 60l/min Insp: <3mbar/l/s at a flowrate of 60l/min
Weight	Approx. 17g
Material	PET, Silicone, MABS. The materials are biocompatible (ISO 10993-1) and are not made with BPA, DEHP and natural rubber latex.
Operating Conditions	-20°C to 50°C, 0-95% r.H. non-condensing, 570-1200hPa
Transport and Storage Conditions	-20°C to 60°C, 0-95% r.H. non-condensing, 570-1200hPa, keep away from sunlight
Shelf Life	Up to 5 years
Sensor ID	Sensor unique identifier – Production information per batch

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