

# vasoquant® 1000 D-SGP



Single channel Photoplethysmograph

Automatic Calibration

Automatic Analysis

Simple Operation

Patented

# VVP

## VQ1000 D-SGP

Our D-SGP-device (digital-strain-gauge plethysmograph) is an up-to-date venous-occlusion plethysmograph based on classic strain-gauge technology.

The parameter measured is the increased volume of skin, fatty tissue and muscles due to augmented blood inflow.

Venous occlusion is followed by venous Outflow. Numerous scientific studies have shown that the changes in limb perimeter correlate well with venous flow conditions.

This technology meets all demand made on modern screening methods: non-invasive, precisely reproducible, documentation of results, low-cost and timesaving operation.



An automatic calibration before each measurement ensures the adaptation to different strain-gauge-sensors as well as to a changed measurement situation.

The D-SGP-device supports the examination with optical and acoustical metronome signals and ensures a time-saving and error-free examination. The start of a measurement is only granted when there is constant calm blood circulation.

The D-SGP performs a self test before each examination.

Simple handling is ensured by the structured menu and an integrated learning program.

Measurement results, menus and charging status of the batteries are shown on the display. Previous examinations are saved automatically.

The integrated sleep function ensures a long-lasting operating time.



## You can use the D-SGP device for

### Diagnostic investigation of haemodynamically relevant outflow obstructions

- Pelvic area  
D-SGP is a reliable device for diagnosing major pelvic vein thrombosis.
- Upper leg area  
D-SGP is a reliable device for diagnosing major vein thrombosis in the upper leg.
- Lower leg area  
In case of haemodynamically relevant thrombosis of the lower leg, i. e. occlusion of several lower leg veins as far as the vena poplitea, you will find characteristic curves.
- Haemodynamic course monitoring  
Thrombolysis, Thrombektomy, Rethrombosis.
- Determination of haemodynamic parameters  
Venous Capacity, Venous Outflow, Arterial Inflow



### Everything in one case...

- D-SGP device
- Thermal printer
- Battery charger
- Connection cable (to printer)
- Strain-Gauge Sensors (26 and 35 cm)
- 1 box adhesive collars,  
6 rolls thermal paper  
(approx. 500 measurements)
- Leg-Cuff
- Manual




### Included in the set

- Leg support
- Knee holder

## VQ1000 D-SGP technical data (technical specifications are subject to change without notice!)

Device	Sensor	Charger
<b>Dimensions</b>	<b>Dimensions</b>	<b>Line voltage</b>
190 x 90 x 35 mm (L x W x H)	25 x 10 mm (D x H)	230 VAC / 50 Hz 110 VAC / 60 Hz optional
<b>Weight</b>	<b>Weight</b>	<b>Power dissipation</b>
approx. 740 g	approx. 7 g	11 VA
<b>Powersupply</b>	<b>Sensors</b>	<b>Charge voltage</b>
Rechargeable battery; charging electronic prevents overcharging and deep discharge.	Strain-Gauge-Sensors length: 20, 26, 35, 46 or 61 cm	12 V

## Cuff

Width	Description	
16 cm	length adjustable by velcro fastener, conical cuff with valve for fast deflation	

## Leg Support

Description	
Foamed material with heel support and knee holder	

Are you interested in the vasoquant 1000 D-SGP?

Call us for further information!

We would be pleased to tell you more about the vasoquant 1000 D-SGP!

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