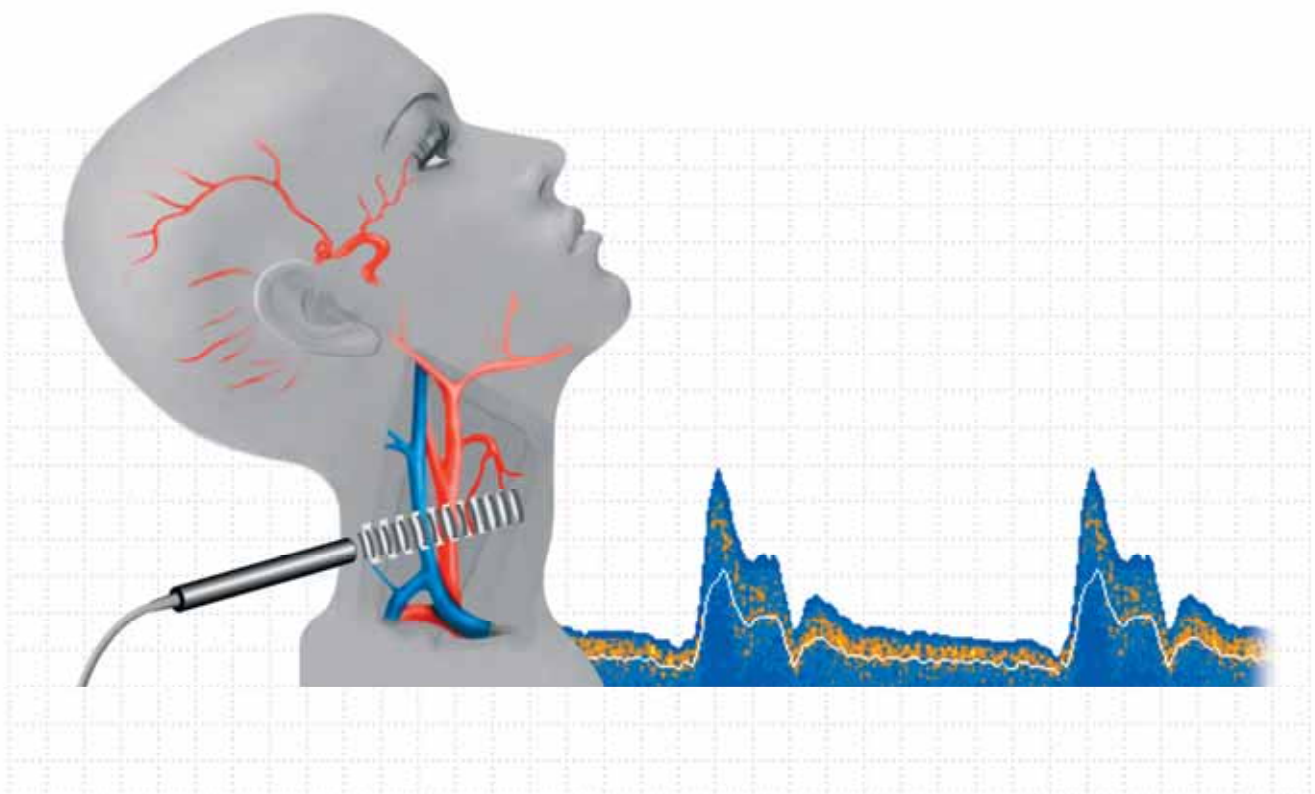


# vasodop<sup>®</sup> 1000

The PC Doppler System for peripheral,  
extracranial und transcranial  
vascular diagnosis

4 and 8 MHz CW / FFT  
2 MHz PW (TCD)



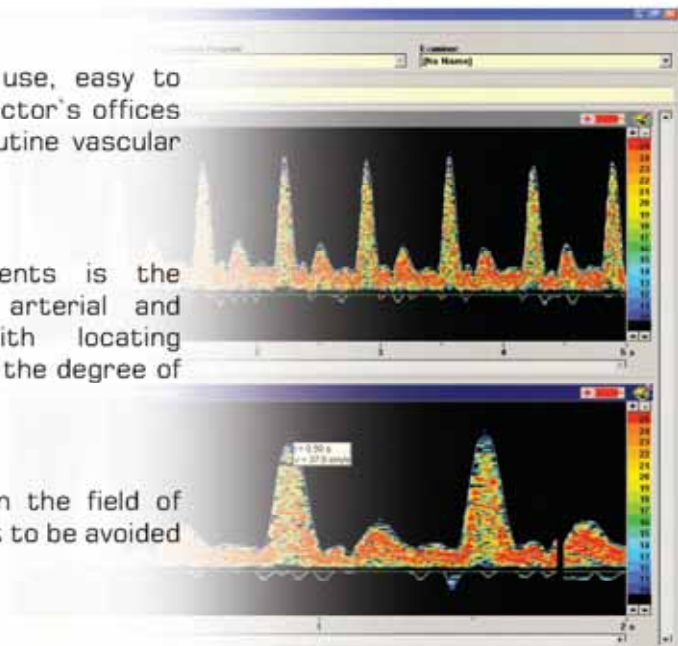
## vasodop® 1000

The Doppler with the certain something(s)

Modern technology, flexible and smooth in use, easy to handle... That's how users in hospitals and doctor's offices want their ultrasound-doppler-system for routine vascular diagnosis to be.

The current answer to these requirements is the **vasodop® 1000**. It helps with detecting arterial and venous haemodynamic disturbances, with locating insufficient venous valves and with finding out the degree of severity of low blood circulation.

The **vasodop® 1000** is also very helpful, if in the field of differential diagnostics, invasive methods want to be avoided or used in a more specific way.



## vasocontrol®

You're in control with vasocontrol®

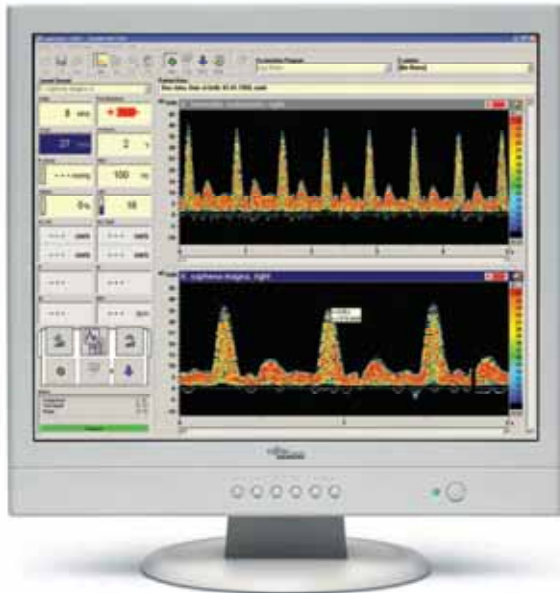
Using the ergonomic remote control **vasocontrol®** that has been specifically developed for the **vasodop® 1000**, the handling of the system becomes extremely user friendly. No matter where the doppler system is placed in the examination room and which examination you are doing at the moment: You operate the **vasodop® 1000** only by means of the remote control.

Three buttons and three scrolling wheels - you don't need anything else. Depending on the operation-mode a menu will appear on the screen with useful functions for your examination. You just have to choose by using nothing but your fingertip. All other functions stay in the background and pop up automatically, when you need them.

This intuitive system control not only keeps you from learning a huge number of new buttons, it also enables fast and trouble free switching between all the different examination methods you may use during your daily routine.

## vasodop® 1000

### Software Equipment and User Interface



- All examination results are automatically stored in the integrated patient database
- The settings of the predefined examination programs can easily be changed. This way the examination program completes worksteps in an order that suits you best
- FFT spectral analysis with 256 points and 16 colors
- The **vasodop® 1000** is network compatible. BDT- / GDT- and DICOM interfaces are integrated for the connection to an existing IT-System.

## Ultrasound-probes for your diagnosis

### 4 and 8 MHz-System CW / FFT

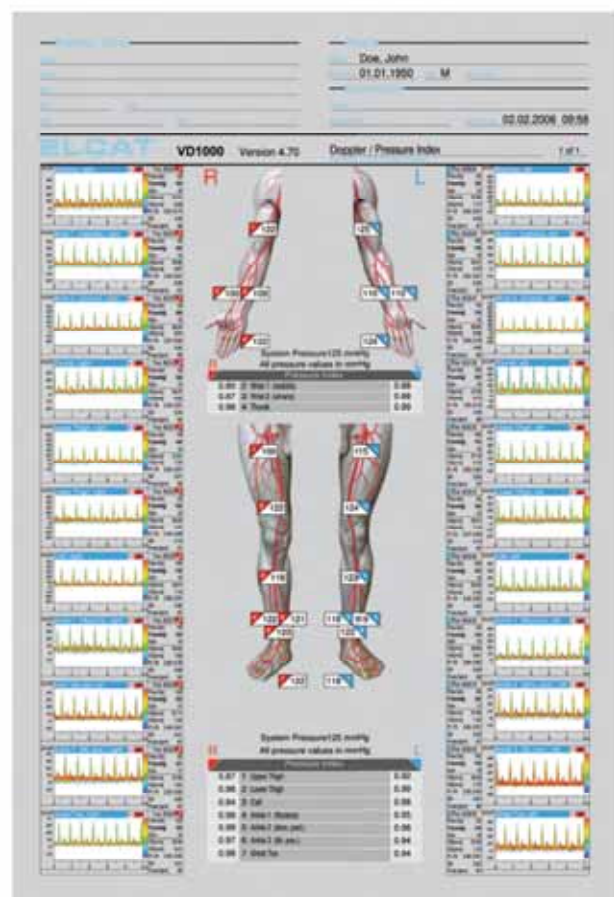
The CW-part of the **vasodop® 1000** is especially made for extracranial and peripheral doppler examinations in order to detect and evaluate arterial and venous occlusions in extremities.

### 2 MHz-System PW (TCD)

Haemodynamic bloodflow reaction of large arteries of the brain base can be examined with transcranial, pulsing doppler systems. All relevant results are calculated online. This way diagnosing becomes easier for the user.

## Documentation

On the vasodop printing protocol you will find all details about examiner, hospital / doctor's office, examination notes and examination comments. All examinations are automatically stored in the patient database.



## vasodop® 1000 technical data PC System

PC-Hardware	PC-System	Software
<b>CPU</b> Intel® Pentium® 4	<b>Display</b> 17 inch TFT; 1280x1024 pixel	<b>Operating system</b>
<b>RAM</b> 512 MB	<b>Keyboard chipcard-reader</b>	WINDOWS® XP-Professional™
<b>Harddisk</b> > 80 GB	<b>Mouse</b> 3-button-wheel	<b>Interfaces</b>
<b>CD-R / DVD Combo</b> 24 speed	<b>Network-connection</b> (optional))	BDT / GDT DICOM
	<b>Soundsystem</b> 128 Bit	

## vasodop® 1000 additional technical data

vasodop® 1000 System		vasocart 1200
<b>Power consumption</b>	<b>Compressor (Option)</b>	<b>Dimensions</b>
approx. 320 VA (completely)	Max. pressure 250 mmHg	51 x 90 x 50 cm (W x H x D)
<b>Weight</b>	<b>Dimensions (PC case)</b>	<b>Weight</b>
approx. 6,8 kg	30,5 x 8 x 35 cm (W x H x D)	approx. 40 kg
<b>FFT spectral analysis</b>		
256 points	16 colors	Realtime

## vasodop® 1000 technical data ultrasound probes

2 MHz-PW ultrasound-probe	4 MHz-CW ultrasound-probe (active)	8 MHz-CW ultrasound-probe (active)
<b>Transmitting power</b>	<b>Transmitting power</b>	<b>Transmitting power</b>
440 mW variabel (max. acoustic power)	21,5 mW fix (max. acoustic power)	22,2 mW fix (max. acoustic power)
173 mW / cm <sup>2</sup> (I <sub>0B</sub> )	85,5 mW / cm <sup>2</sup> (I <sub>0B</sub> )	157 mW / cm <sup>2</sup> (I <sub>0B</sub> )
5560 mW / cm <sup>2</sup> (I <sub>SPTA</sub> )	288 mW / cm <sup>2</sup> (I <sub>SPTA</sub> )	438 mW / cm <sup>2</sup> (I <sub>SPTA</sub> )
<0,75 MPa (p.)	<0,1 MPa (p.)	<0,12 MPa (p.)
<b>Dimensions</b>	<b>Dimensions</b>	<b>Dimensions</b>
21 x 60 mm (diameter x length)	11 x 95 mm (diameter x length)	10 x 95 mm (diameter x length)
<b>Measurement-depth</b>	<b>Sensitivity range</b>	<b>Sensitivity range</b>
35 mm - 150 mm	15 - 50 mm	8 - 25 mm

**Headphones** Only use headphones recommended by ELCAT GmbH.

**Further comments** The vasodop® 1000 has to be assigned to device group 3, according to MedGV (§2, Abs. 3). The device is for the use in medical areas (according to VDE 0107) but not for the use in areas with risk of explosion. The device is constructed according to VDE 750 and IEC 601/1. Technical data is subject to change without notice.

Are you interested in the **vasodop® 1000**?

Then call us!

We would be pleased to tell you more about your possibilities with the **vasodop® 1000**!

**ELCAT** GmbH  
medical systems

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