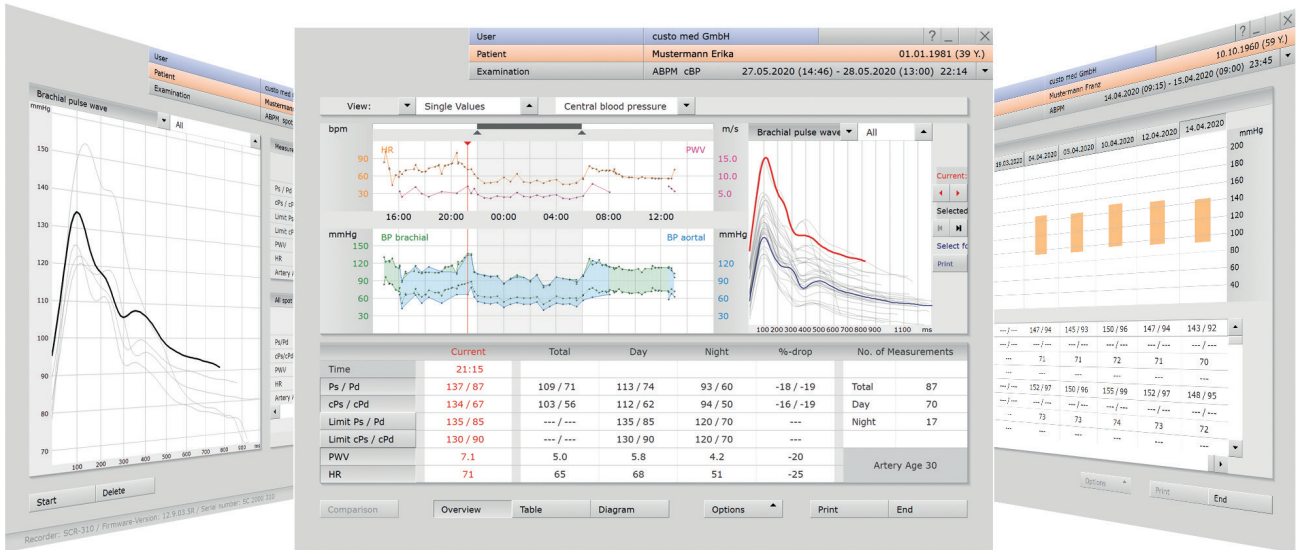




# ABPM

custo screen 310 | with pulse wave analysis and central blood pressure



## custo screen 310 ABPM recorder

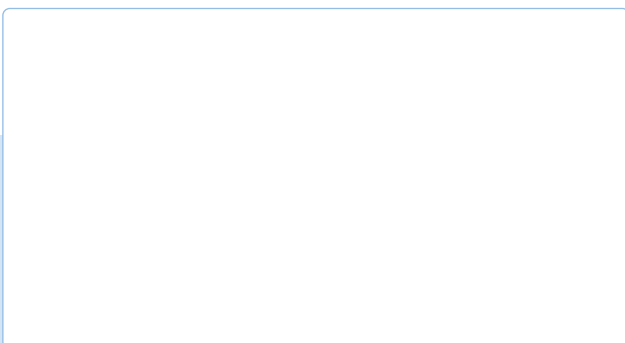
- High measuring accuracy, very high coherence with invasively measured values.
- Validated method - proof of accuracy by means of a multicentre validation study (according to ARTERY protocol).
- Optimal assessment of a patient's cardiovascular risk based on brachial and central blood pressure values, pulse wave velocity and arterial age.

## custo diagnostic (software)

- Comparison of all patients' examinations
- Comfortable reports with predefined text modules
- Clearly arranged A4 paper printouts
- Paperless medical practice: Mailing of evaluations and reports as email, fax, PDF and as evaluation file (.cst)
- Versatile connection possibilities into existing IT structures (HL7, FDA-XML, SQL, GDT, SCP)



Your authorised custo med dealer



## Technical data custo screen 310

Measurement method	Oscillometric measurement procedure, automatic zero balancing			
Measuring range	Heart rate	35 – 220 beats / min		
	Systolic blood pressure	70 – 270 mmHg		
	Diastolic blood pressure	40 – 155 mmHg		
Measurement accuracy [mmHg]	Brachial blood pressure <sup>1)</sup>	Systole	Diastole	
		Mean value deviation	-0.5    -0.1	
	Central blood pressure <sup>2)</sup>	Systole	Diastole	MAP
		Mean value deviation	0.71    2.96    0.19	
	Standard deviation	4.5    3.3    3.78		
	Max. number of measurements	max. 500		
Max. recording time	max. 72 hours			
Duration of one measurement	approx. 30 seconds			
Measuring intervals	Can be set from 5 to 90 minutes in the software			
Cuff pressure	max. 300 mmHg			
Cuff sizes	Cuff D-Ring standard	24 – 32 cm		
	Cuff D-Ring x-large	32 – 40 cm		
	Cuff D-Ring xx-large	38 – 50 cm		
	Cuff Wrap small, child	20 – 24 cm		
	Cuff Wrap standard	24 – 32 cm		
	Cuff Wrap xx-large	38 – 50 cm		
Data transmission	Infrared interface with USB port (IrDA standard)			
Power supply	3 Mignon 1.5 V, type AA			
	3 rechargeable batteries, Ni-MH, 1.2 V, min. 1500 mAh			
Dimensions	approx. 100 * 66 * 26 mm (L * B * H)			
Weight	approx. 159 g (without batteries)			
Classification	Device with internal power supply			
	Class IIa, Type BF			
Applied standards	DIN EN 60601-1, DIN EN 60601-1-2, IEC 80601-2-30			
	Directive 93/42/EEC			

Components for ABPM recordings with central blood pressure: custo screen 310

Cuff

3 Batteries

Neoprene case

Carrying belt

custo com IR

USB extension cable 2.0, type B mini, 2.0 m

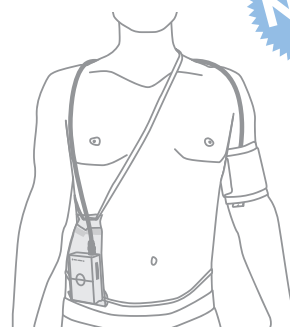
Optional:

custo screen protect

washable fleece pads for more hygiene and comfort when wearing the cuff

custo clean SC

Disposable hygiene bags for custo screen recorders



1) Bramlage P, Deutsch C, Krüger R, Wolf A, Müller P, Zwingers T, Beime B, Mengden T. Validation of the custo screen 400 ambulatory blood pressure-monitoring device according to the European Society of Hypertension International Protocol revision 2010. Dovepress, Vascular Health and Risk Management 2014;10

2) Dörr M, Richter S, Eckert S, Ohlow M, Hammer F, Hummel A, Dornberger V, Genzel E, Baulmann J. Invasive Validation of Antares, a New Algorithm to Calculate Central Blood Pressure from Oscillometric Upper Arm Pulse Waves. J. Clin. Med. 2019, 8, 1073

## ABPM Software functions

- Clear presentation of central and brachial blood pressure at a glance.
- Display of the pressure curves of the brachial pulse wave for each measurement.
- Calculation of the pulse wave velocity.
- Tabular listing of the brachial and central blood pressure values and their statistical evaluation.
- Display of the heart rate trend and the calculated artery age.