

Compare our products

non-invasive hemodynamics



Portapres[®] , Finometer[®] PRO, and the Finometer[®] MIDI.






Parameter	Portapres [®]	Finometer [®] PRO	Finometer [®] MIDI
1 Systolic Blood Pressure (SYS)	✓	✓	✓
2 Diastolic Blood Pressure (DIAS)	✓	✓	✓
3 Mean Arterial Pressure (MAP)	✓	✓	✓
4 Heart Rate (HR)	✓	✓	✓
5 Inter Beat Interval (IBI)	✓	✓	✓
6 Cardiac Output (CO)	✓	✓	✓
7 Stroke Volume (SV)	✓	✓	✓
8 Heart Rate Variability (HRV)	—*	✓	—*
9 Baroreflex Sensitivity (BRS)	—*	✓	—*
10 Total Peripheral Resistance (TPR)	✓	✓	✓
11 Total arterial compliance (CwK)	✓	✓	✓
12 Max. steepness of current upstroke (dp/dt)	✓	✓	✓
13 Ascending aortic impedance at DIAS (Zao)	✓	✓	✓
14 Left Ventricular Ejection Time (LVET)	✓	✓	✓
15 Rate pressure product (PS*HR)	✓	✓	✓

*) available in combination with BeatScope[®] 1.1.a.



Portapres® Finometer® PRO Finometer® MIDI

	 Optimal portability	 Optimal accuracy	 Optimal trending
Ambulatory	Yes	No	No
Return-to-flow calibration	No	Yes	No
Height correction	Yes	Yes	Yes
Modelflow® hemodynamic parameters	Through BeatScope® 1.1a	Yes	Through BeatScope® Easy and BeatScope® 1.1a
Optional ECG module	No	Yes	Yes
Compatible software packages	BeatScope® 1.1a	BeatScope® Easy (BeatScope® 1.1a optional)	BeatScope® Easy (BeatScope® 1.1a optional)
Analog input	0	4	2
Analog output	8	4	4
Data storage	64 hours, max. 254 measurements	24 hours, max. 4096 measurements	
Power supply	12 VDC / 230 or 115 VAC	230 or 115 VAC	230 or 115 VAC
Battery life	> 8 hours (>24 hours optional)		
Dimensions closed	120 - 11 - 4 cm (47 - 4.5 - 1.6 inch)	40 - 16 - 45 cm (16 - 6.3 - 18 inch)	30 - 16 - 35 cm (12 - 6.3 - 14 inch)
Dimensions opened		40 - 41 - 45 cm (16 - 16 - 18 inch)	
Weight	1.5 kg (3.3 lbs)	11.5 kg (25 lbs)	8 kg (18 lbs)
Front end unit weight	0.5 kg (1.1 lbs)	0.6 kg (1.3 lbs)	0.6 kg (1.3 lbs)
Operating temperature	0 - 35 °C (32 - 95 °F)	10 - 40 °C (50 - 104 °F)	10 - 40 °C (50 - 104 °F)
Operating humidity (non-condensing)	5 - 90%	5 - 90%	5 - 90%
Instrument accuracy			
• Cuff pressure	1% (max 3 mmHg)	1% (max 3 mmHg)	1% (max 3 mmHg)
• Height correction	1% (max 3 mmHg)	1% (max 3 mmHg)	1% (max 3 mmHg)
• Heart rate	HR (bpm) / 60%	HR (bpm) / 60%	HR (bpm) / 60%
• Interbeat interval	10 ms (non-accumulating)	10 ms (non-accumulating)	10 ms (non-accumulating)

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900711-592-40
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