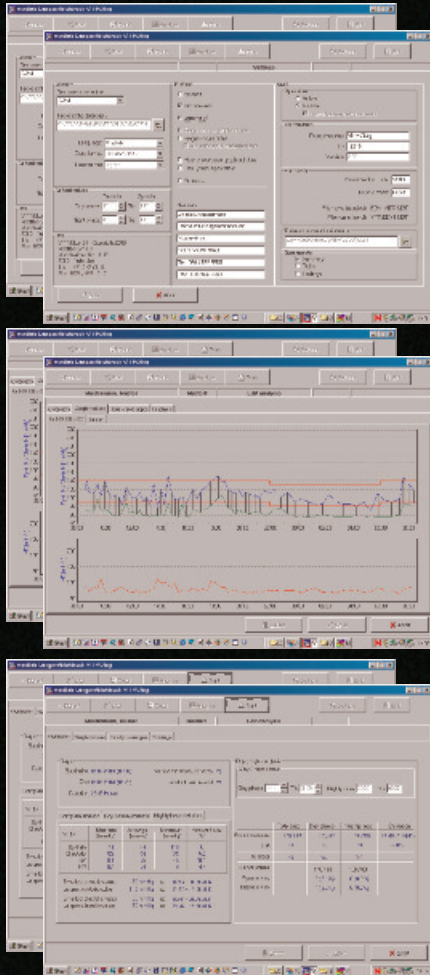


Ambulatory Blood Pressure Holter System

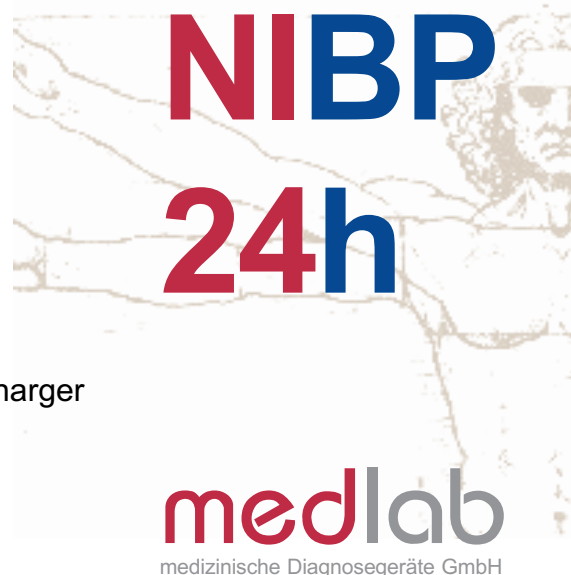


Features

- Lightweight, compact and attractive design
- 190g only - one of the lightest solutions available
- Innovative algorithm for excellent performance during artefact periods
- Up to 200 readings with fully charged batteries
- Designed for infants and adults
- Complete delivery including software
- Easy to use software with patient data base
- Standard accessories include set of three cuffs, charger and two battery packs

Information:

www.medlab-gmbh.de



medlab
medizinische Diagnosegeräte GmbH

Ambulatory Blood Pressure Holter

The VITROlog, having a weight of less than 200 grams, is probably the lightest ambulatory blood pressure recorder available today. At a size of only 80x100 mm, the VITROlog easily fits in each shirt pocket. Nevertheless, it is a reliable and reasonable companion for the ambulatory monitoring of a person's blood pressure.

The device works with the oscillometric method only. This means, the user only has to position the cuff at the patient's arm and does not have to care about microphones or similar.

The recording intervals are adjustable by the doctor and range from 2 to 90 minutes.

Up to four time periods with different sampling intervals can be defined.

This is especially useful to increase measurement intervals during night, to minimize the patient's disturbance.

The VITROlog records up to 200 measurements during up to 30h. The stored data can be transferred and reviewed by using a PC and the included software. Also programming of the recorder is done by using the same software.

The VITROlog is small, convenient and lightweight. It can be carried in a little pouch or can be fixed to a belt.

Since accuracy of the measurements depend heavily on selection of the right cuff size, the standard delivery already includes three differently sized blood pressure cuffs. Also included is the software^{*)}, a pouch, a charger with two battery packs and the cable for connection to the PC.

^{*)} a demo version of the software is available upon request

Technical Data

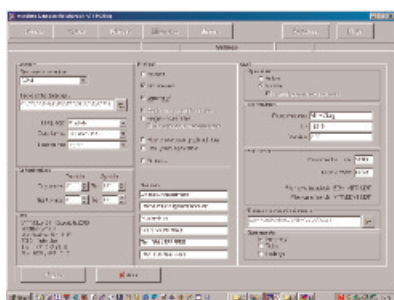
Measurement method: oscillometric
 Measurement duration: 30-45 seconds
 Measurement intervals: 2 - 90 minutes, programmable
 Capacity: 200 measurements or 30 hours

Measurement range:
 Systolic Pressure 60 - 260 mmHg
 Diastolic Pressure 40 - 220mmHg
 Heart rate 35 - 240 bpm

Maximum cuff pressure: 300mmHg
 Interface: RS232 - (USB with optional Adapter)
 Dimensions: 10.5 cm x 8.0 cm x 2.7 cm
 Weight: 190g (including batteries)

Delivery: VITROlog recorder
 Carrying bag
 Three blood pressure cuffs of different size
 Connecting hose
 Fast charger
 Two rechargeable battery sets
 User manual
 Interface cable for PC (RS232)
 Software for Win98-Win XP

Optional: Blood pressure cuffs for children / infants
 Additional rechargeable battery sets
 Adapter USB RS232



Setup screen allows selection of menu language, PC port, setting of standard headers for printing aso. Menu languages include: English, German, French, Spanish, Italian

Additional languages can be added upon request.



Recorded measurement results

Time	Systolic	Diastolic	Heart rate	Measurement
07:00	110	70	70	OK
08:00	115	75	75	OK
09:00	120	80	80	OK
10:00	125	85	85	OK
11:00	130	90	90	OK
12:00	135	95	95	OK
13:00	140	100	100	OK
14:00	145	105	105	OK
15:00	150	110	110	OK
16:00	155	115	115	OK
17:00	160	120	120	OK
18:00	165	125	125	OK
19:00	170	130	130	OK
20:00	175	135	135	OK
21:00	180	140	140	OK
22:00	185	145	145	OK
23:00	190	150	150	OK
00:00	195	155	155	OK
01:00	200	160	160	OK
02:00	205	165	165	OK
03:00	210	170	170	OK
04:00	215	175	175	OK
05:00	220	180	180	OK
06:00	225	185	185	OK
07:00	230	190	190	OK
08:00	235	195	195	OK
09:00	240	200	200	OK
10:00	245	205	205	OK
11:00	250	210	210	OK
12:00	255	215	215	OK
13:00	260	220	220	OK
14:00	265	225	225	OK
15:00	270	230	230	OK
16:00	275	235	235	OK
17:00	280	240	240	OK
18:00	285	245	245	OK
19:00	290	250	250	OK
20:00	295	255	255	OK
21:00	300	260	260	OK
22:00	305	265	265	OK
23:00	310	270	270	OK
00:00	315	275	275	OK
01:00	320	280	280	OK
02:00	325	285	285	OK
03:00	330	290	290	OK
04:00	335	295	295	OK
05:00	340	300	300	OK
06:00	345	305	305	OK
07:00	350	310	310	OK
08:00	355	315	315	OK
09:00	360	320	320	OK
10:00	365	325	325	OK
11:00	370	330	330	OK
12:00	375	335	335	OK
13:00	380	340	340	OK
14:00	385	345	345	OK
15:00	390	350	350	OK
16:00	395	355	355	OK
17:00	400	360	360	OK
18:00	405	365	365	OK
19:00	410	370	370	OK
20:00	415	375	375	OK
21:00	420	380	380	OK
22:00	425	385	385	OK
23:00	430	390	390	OK
00:00	435	395	395	OK
01:00	440	400	400	OK
02:00	445	405	405	OK
03:00	450	410	410	OK
04:00	455	415	415	OK
05:00	460	420	420	OK
06:00	465	425	425	OK
07:00	470	430	430	OK
08:00	475	435	435	OK
09:00	480	440	440	OK
10:00	485	445	445	OK
11:00	490	450	450	OK
12:00	495	455	455	OK
13:00	500	460	460	OK
14:00	505	465	465	OK
15:00	510	470	470	OK
16:00	515	475	475	OK
17:00	520	480	480	OK
18:00	525	485	485	OK
19:00	530	490	490	OK
20:00	535	495	495	OK
21:00	540	500	500	OK
22:00	545	505	505	OK
23:00	550	510	510	OK
00:00	555	515	515	OK
01:00	560	520	520	OK
02:00	565	525	525	OK
03:00	570	530	530	OK
04:00	575	535	535	OK
05:00	580	540	540	OK
06:00	585	545	545	OK
07:00	590	550	550	OK
08:00	595	555	555	OK
09:00	600	560	560	OK
10:00	605	565	565	OK
11:00	610	570	570	OK
12:00	615	575	575	OK
13:00	620	580	580	OK
14:00	625	585	585	OK
15:00	630	590	590	OK
16:00	635	595	595	OK
17:00	640	600	600	OK
18:00	645	605	605	OK
19:00	650	610	610	OK
20:00	655	615	615	OK
21:00	660	620	620	OK
22:00	665	625	625	OK
23:00	670	630	630	OK
00:00	675	635	635	OK
01:00	680	640	640	OK
02:00	685	645	645	OK
03:00	690	650	650	OK
04:00	695	655	655	OK
05:00	700	660	660	OK
06:00	705	665	665	OK
07:00	710	670	670	OK
08:00	715	675	675	OK
09:00	720	680	680	OK
10:00	725	685	685	OK
11:00	730	690	690	OK
12:00	735	695	695	OK
13:00	740	700	700	OK
14:00	745	705	705	OK
15:00	750	710	710	OK
16:00	755	715	715	OK
17:00	760	720	720	OK
18:00	765	725	725	OK
19:00	770	730	730	OK
20:00	775	735	735	OK
21:00	780	740	740	OK
22:00	785	745	745	OK
23:00	790	750	750	OK
00:00	795	755	755	OK
01:00	800	760	760	OK
02:00	805	765	765	OK
03:00	810	770	770	OK
04:00	815	775	775	OK
05:00	820	780	780	OK
06:00	825	785	785	OK
07:00	830	790	790	OK
08:00	835	795	795	OK
09:00	840	800	800	OK
10:00	845	805	805	OK
11:00	850	810	810	OK
12:00	855	815	815	OK
13:00	860	820	820	OK
14:00	865	825	825	OK
15:00	870	830	830	OK
16:00	875	835	835	OK
17:00	880	840	840	OK
18:00	885	845	845	OK
19:00	890	850	850	OK
20:00	895	855	855	OK
21:00	900	860	860	OK
22:00	905	865	865	OK
23:00	910	870	870	OK
00:00	915	875	875	OK
01:00	920	880	880	OK
02:00	925	885	885	OK
03:00	930	890	890	OK
04:00	935	895	895	OK
05:00	940	900	900	OK
06:00	945	905	905	OK
07:00	950	910	910	OK
08:00	955	915	915	OK
09:00	960	920	920	OK
10:00	965	925	925	OK
11:00	970	930	930	OK
12:00	975	935	935	OK
13:00	980	940	940	OK
14:00	985	945	945	OK
15:00	990	950	950	OK
16:00	995	955	955	OK
17:00	1000	960	960	OK
18:00	1005	965	965	OK
19:00	1010	970	970	OK
20:00	1015	975	975	OK
21:00	1020	980	980	OK
22:00	1025	985	985	OK
23:00	1030	990	990	OK
00:00	1035	995	995	OK
01:00	1040	1000	1000	OK
02:00	1045	1005	1005	OK
03:00	1050	1010	1010	OK
04:00	1055	1015	1015	OK
05:00	1060	1020	1020	OK
06:00	1065	1025	1025	OK
07:00	1070	1030	1030	OK
08:00	1075	1035	1035	OK
09:00	1080	1040	1040	OK
10:00	1085	1045	1045	OK
11:00	1090	1050	1050	OK
12:00	1095	1055	1055	OK
13:00	1100	1060	1060	OK
14:00	1105	1065	1065	OK
15:00	1110	1070	1070	OK
16:00	1115	1075	1075	OK
17:00	1120	1080	1080	OK
18:00	1125	1085	1085	OK
19:00	1130	1090	1090	OK
20:00	1135	1095	1095	OK
21:00				