



ASPEL

308/508 ABPM

v.101

recorder with dedicated software

Software

ASPEL 508 ABPM

- intended for review and analysis of long-term records of blood pressure measurements taken from ASPEL pressure recorders. It is diagnostic software intended for examining adult and pediatric patients (from 3 years of age) in clinics, hospitals, outpatient centers and specialist surgeries. Thanks to modern data presentation techniques, it enables quick and reliable preparation of a report based on measurements taken from recorders of long-term records of non-invasive measurement of blood pressure.

Functionality

- possibility of manual programming without using a computer and dedicated software
- ability to quickly start registration without using a computer and dedicated software
- built-in default, recommended schedule for recording Holter measurements broken down into activity and sleep
- battery operation - full functionality
- stationary blood pressure monitor mode - powered by USB or battery
- full presentation of measurement data from the current test: current cuff pressure (numerical, graphic value - bargraph), exam results (systolic, diastolic pressure, average and HR), all possible errors in the form of warnings and codes

Functionality	<ul style="list-style-type: none"> - pressure gauge test function (static pressure measurement from two independent measuring modules) - leak test function (automatic verification of correct operation of the device, tightness of valves, sensors, pump and cuff tightness) - energy saving in the multi-hour recording mode (using deep sleep) - Extensive menu: information data (e.g. device name, patient ID, start date and time of the exam, number of saved exam and availability of free memory, total mileage, additional service data), quick start - quick start of registration with current settings, all saved examination results (ordinal exam number, exam time, systolic, diastolic pressure, average and HR), restoring factory settings, configuring and programming the recorder for automatic operation
Battery	<ul style="list-style-type: none"> - up to 168 hours (up to a week time), memory for 1000 examination
Keyboard	<ul style="list-style-type: none"> - useful keyboard and separate event button enabling asynchronous measurements (e.g. in the case of deterioration of well-being)
Screen	<ul style="list-style-type: none"> - transparent, graphic OLED (262,144 colors)
Physical parameters	<ul style="list-style-type: none"> - dimensions: 90x36x93 mm (L x W x H) - weight: <190 g without batteries - housing: molded ABS plastic
Electrical parameters	<ul style="list-style-type: none"> - power supply: four LR6 (AA) alkaline or rechargeable batteries (AA), USB port: 5 VDC - current consumption: <400 mA - measurement, <70 mA - ready for work
Pressure measurement	<ul style="list-style-type: none"> - measuring range: adult mode: (0 - 300) mmHg; pediatric mode (0 - 150) mmHg (relative to atmospheric pressure) - pressure sensor: high class with high accuracy and reliability with a compensation circuit - temperature influence compensation: (0 - 50) °C - analog-digital processing: 24 bits, sampling 1000 sps - deflation: linear, adaptive
Performance parameters	<ul style="list-style-type: none"> - number of measurement periods: 6, definition of activity / sleep - stored data: name, surname, ID, device name - deflation: automatic and adjustable (1000 - 5000) umHg / s, setting resolution 1 umHg / s - pediatric / adult mode of operation - pressure setting: initial and maximum pressure
Security norms	<ul style="list-style-type: none"> - type of protection against electric shock (EN 60601-1): internally powered device, device class II - application part (EN 60601-1): type CF - medical device class: IIa (rule 10) - clinical measuring accuracy: EN ISO 81060-2 - operational safety: EN 60601-1, EN 60601-2-30 - electromagnetic compatibility: EN 60601-1-2

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Standard equipment	<ul style="list-style-type: none">- cuff for adults - medium size, shoulder circumference (25 - 35) cm- pressure hose- cuff and pressure hose connector- recorder bag with belt- LR6 (AA) alkaline batteries - 4 pcs.- instructions for use- warranty card
Optional equipment	<ul style="list-style-type: none">- pediatric cuff - small size, shoulder circumference (18 - 26) cm- cuff for adults - large size, shoulder circumference (33 - 47) cm- one-time cuff- recorder bag, disposable
Certificates	<ul style="list-style-type: none">- CE 0197- EN ISO 13485- MDD/93/42/EEC