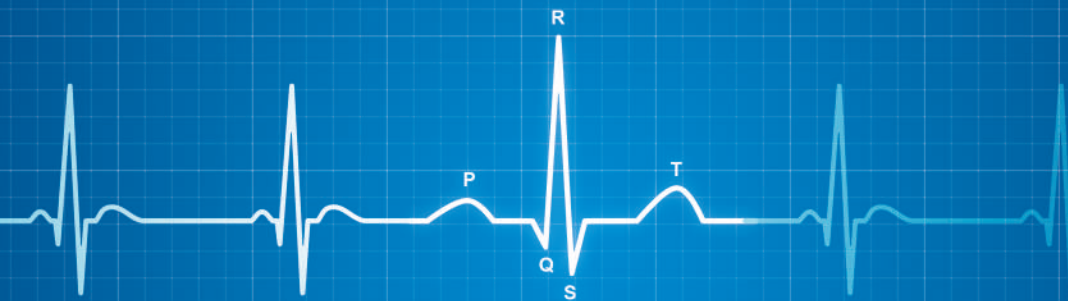




MONITOR

TO BETTER HEALTH THROUGH BETTER DEVICES **SINCE 1992**

PRODUCT CATALOG



CONSUMER APPEAL

Developed and began to manufacture patient monitors;

Produced and sold 3 times more ECG machines than whole imported ECGs in Russian Federation

Started production of modernized one to three channel ECG with a maximum infocommunication opportunities

1993

2005

2018

2019

2020

2021



Received European certificates and began to export patient monitors outside CIS;

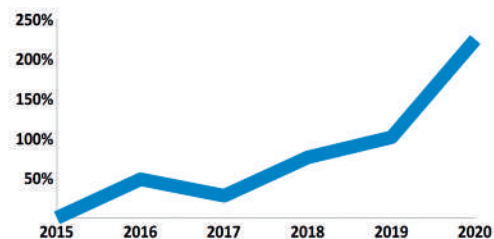
Developed and began to manufacture ECG machines with paper 210mm



Production growth 50%

Development of the telemedicine industry and began to produce two new devices for patient monitoring at home

Sales growth in %



Our company practically every year takes the first place in Russia in export and output of patient monitors, ECG machines and spirometers.



Our company provides the minimal total cost of ownership which is made up of products cost and after-sales service.



Monitor Co., Ltd. provides the best price/quality ratio and exports to 16 countries worldwide.

Director of Monitor Ltd. Co.,
Doctor of Technical Sciences,
Senior Research Officer,
Laureate of the USSR Council of Ministers Prize

Yury Popov



TELEMEDICINE

- Development of the primary health care system, one doctor can diagnose the analyzes received from several branches
- Fight against cardiovascular diseases
- Improving the provision of emergency medical care and the activities of the disaster medicine service
- Medical rehabilitation

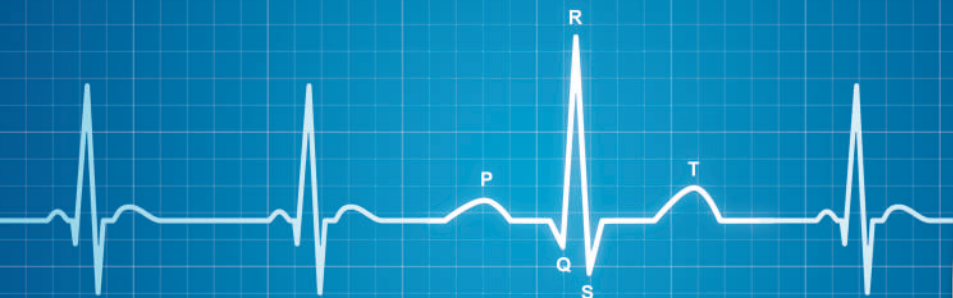


PRECISE DIAGNOSIS WITH INTERNET SPEED



TWO-WAY WIRELESS TRANSMISSION





PERSONAL REMOTE PATIENT MONITORING SYSTEM
SPDM-01

EWR-02

ECG WIRELESS RECORDER



Computer
cardio recorder



Wireless Bluetooth
interface



ECG viewing
in real-time mode



Lightweight, portable
(Weight about 60 gr)



Do not restrict
the patient's movement
(fixed directly on the patient
using three built-in electrodes)



Long (up to several days)
ECG recording



Wide possibilities
of data analysis,
thanks to various
Software options

ECG WIRELESS RECORDER

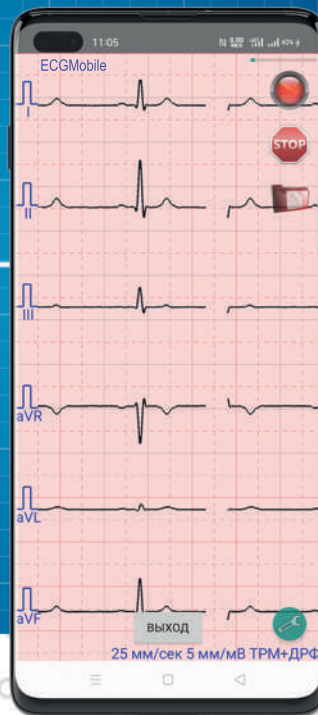
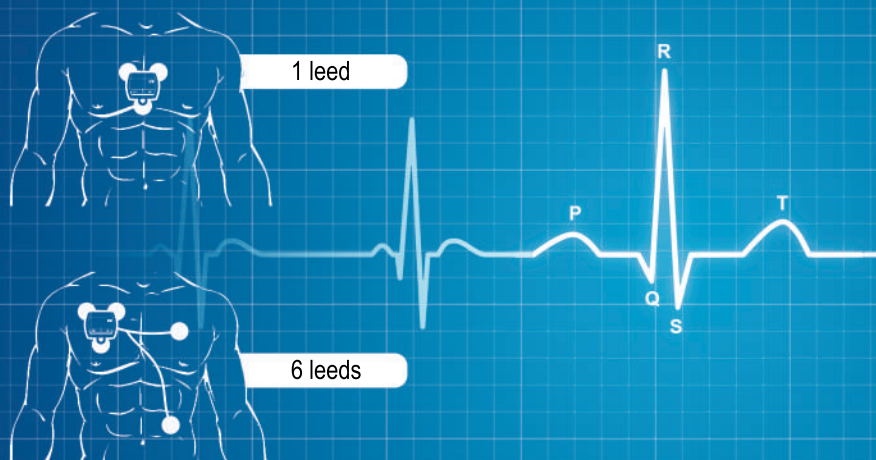
The system is designed for:

- remote monitoring of the ECG for patients with self-recording of an ECG at home;
- conducting home rehabilitation of people with diseases of the cardiovascular system with remote ECG transmission to hospitals;
- detecting asymptomatic atrial fibrillation during multi-day ECG recording.

The system includes ECGmobile software running OS Android for smartphone / tablet, which provides:

- real-time viewing and recording of ECG received via Bluetooth from EWR-02 recorders;
- input and saving of patient data, ID;
- input and saving of blood pressure parameters, patient symptoms, calculation of heart rate, information about the presence of a pacemaker in the patient;
- storage and viewing of previously taken ECGs;
- automatically starts recording in case of arrhythmia detection;
- saving data in PNG or PDF format for easy ECG transmission using standard OS Android applications (WhatsApp, Viber, Telegram, e-mail, etc.);
- calculation by RR-intervals of indicators of activity of the autonomic nervous system - the index of tension according to R. Baevsky.





EWR-02

ECG transmission
on a smartphone in
real time



The system allows you to record 1 or 6 leads of both resting ECG and multi-day ECG with subsequent transmission via Bluetooth to a personal computer or smartphone / tablet of a doctor for processing.

To record 6 leads, the recorder is equipped with an additional cable consisting of 2 wires.

The system can also be used with software for resting ECG, 24-hour ECG monitoring Safe Heart System (SHS-24h).



Power supply:
one alkaline AAA battery
or rechargeable battery



60g

Weight not more than 60 g



Overall dimensions -
not more than 75x70x20 mm

INTERNET

Wide possibilities
of data analysis,
thanks to
various
Software
options



ECG WIRELESS RECORDER



PERSONAL REMOTE PATIENT MONITORING SYSTEM SPDM-01

EPR-01 designed to transfer an ECG from patient to doctor (from home to hospital) for electrocardiogram analysis by using a smartphone with a portable cardioregistrator EPR-01 and PC-01 software with the following characteristics:



EPR-01 for home use



6 recording and transmitting 12 or 6 ECG leads via USB to a smartphone (for Android™) in order to view, record or transmit rest and stress ECG

12 the ability to transfer ECG files by e-mail or by standard Android™ tools for consultations

the ability to connect a smartphone using the USB cable included with the smartphone

it can be used independently with disposable electrodes at home

archiving information in a smartphone

automatic start when applying electrodes and in case of arrhythmia detection or after applying the last electrode

ECG printing on any A4 printer connected to the PC

provision of heart rate calculation and determination of the number of cardiac arrhythmias

displaying the pulse of the pacemaker

calculation of the index of tension of the autonomic nervous system

The system consists of a cardioregistrator EPR-01 built-in ECG cable and PC-01 software (for Android™).

The information is output to a smartphone or tablet with subsequent transmission via the Internet to PC in PDF or PK01 format.



EPR-01 (for home medicine)



TASKS FOR CARDIAC PATIENTS

- treatment of chronic diseases (support throughout life, including patients, living in remote areas);
- rehabilitation (to prevent the development of deviations);
- long-term monitoring;
- support of coronavirus patients during home treatment.

ADVANTAGES OF THE SYSTEM

- the possibility of recording an ECG using disposable electrodes included in the kit, which is convenient for the patient to do himself;
- the possibility of express test of 6 ECG leads from 4 electrodes;
- the ability to record and transfer full 12 ECG leads at an affordable price;
- the ability to archive the ECG on your smartphone to identify the dynamics of its changes;
- the possibility for a doctor to receive an ECG in PDF format or other format available on a smartphone or tablet, on any computer or smartphone;
- the possibility of obtaining ECG by a doctor on a computer with the PC-01 program installed for long (up to 3 minutes) recordings,
- the ability to transfare the ECG file received by the PC-01 program into the ArMaSoft-12-Cardio program for data processing.



ECG MACHINE EC3T 01 RD

ECG MACHINE EC12T 01 RD/141

ECG MACHINE EC12T 01 RD/260

ECG PORTABLE RECORDER EPR-01

INFECTED AREA

INTERNET

SAFE AREA

AMBULANCE

URGENT CARE CENTER

HOSPITAL

Android

Windows

TWO-WAY WIRELESS TRANSMISSION

- Urgent care center----- central regional hospitals
- Patient ----- doctor (family medicine).
- Patient ----- outpatient clinic (dispensary observation).
- Patient ----- sanatorium (rehabilitation).
- Ambulance doctor ----- first aid station.

REMOTE DIAGNOSTIC AND MONITORING METHODS

**DOCTOR'S
WORKPLACE**

ECG MACHINES

	EC3T 01 RD		EC12T 01 RD	
	EC3T 01 RD/1	EC3T 01 RD/2	EC12T 01 RD/141	EC12T 01 RD/260
Lead	standard 12, Cabrera, Neb, Frank	standard 12, Cabrera, Neb, Frank	standard 12, Cabrera, Neb, Frank, User	
Display	color TFT	color TFT	Sensor color TFT	Sensor color TFT
Diagonal	3,5 inch	3,5 inch	5,6 inch	10,1 inch
Resolution	320*240 dots	320*240 dots	640*480 dots	800 * 600 dots
Recorder	1; 2; 3; 3+ rhythm; patient data; ECG analysis	1; 2; 3; 3+ rhythm; patient data; ECG analysis	3; 3+rhythm; 6; 12 across paper; ECG analysis	3+rhythm; 3+2 rhythm; 3+3 rhythm; 6; 6+rhythm; 12
Rhythm	1 or 3 to choose	1 or 3 to choose	1 or 3 to choose	1 or 3 to choose
Paper	57 mm	80 mm	110 mm	210 or 216 mm
Type of paper	Roll	Roll/z fold	Roll/z fold	Roll/z fold/A4 fax
Printing resolution	64 dots/mm along paper, 8 dots/mm across paper	64 dots/mm along paper, 8 dots/mm across paper	64 dots/mm along paper, 8 dots/mm across paper	64 dots/mm along paper, 8 dots/mm across paper
Operation mode	auto/manual/trials mode/rhythm/ECG analysis/RR-gram mode/ copy print/ print ECG from memory	auto/manual/trials mode/rhythm/ECG analysis/RR-gram mode/ copy print/ print ECG from memory	auto/manual/trials mode/rhythm/ECG analysis/RR-gram mode/ copy print/ print ECG from memory	auto/manual/trials mode/rhythm/ECG analysis/HRV analysis/ copy print/ print ECG from memory
Displaying leads	1-4, 12	1-4, 12	3,3+1,6,12	1, 3, 3+1, 3+2, 3+3, 6, 6+1, 12
Alphanumeric keyboard	No	No	Yes , combined and sensor	Sensor
Recording speed	5; 10; 12,5; 25 and 50 mm/sec	5; 10; 12,5; 25 and 50 mm/sec	5; 10; 12,5; 25 and 50 mm/sec	5; 10; 12,5; 25 and 50 mm/sec
Sensitivity	2,5; 5; 10; 20 or 40 mm/mV	2,5; 5; 10; 20 or 40 mm/mV	2,5; 5; 10; 20 or 40 mm/mV	5; 10; 20 or 40 mm/mV
Filters	Antitremor/ antidrift/ power	Antitremor/ antidrift/ power	Antitremor/ antidrift/ power	Antitremor/ antidrift/ power
Defibrillation protection	Yes	Yes	Yes	Yes
Memory	memory copy and micro-SD card	memory copy and micro-SD card	internal up to 500 ECG and external USB flash	internal up to 500 ECG and external USB flash, micro-SD card
PC connection	Yes	Yes	Yes	Yes
Front-end interface	micro-SD card slot, 2 USB-ports, GSM, Ethernet, Wi-Fi	micro-SD card slot, 2 USB-ports, GSM, Ethernet, Wi-Fi	COM-port or 2 USB ports, GSM	micro-SD card slot, COM-port, USB, GSM, Ethernet, Wi-Fi
Use in ambulance	Yes	Yes	Yes	No
Dimensions	276 x 202 x 64 mm	276 x 202 x 64 mm	250 x 174 x 63 mm	385 x 285 x 100 mm
Net weight	not more than 1,2 Kg	not more than 1,2 Kg	1,2 Kg	4,2 Kg
Power supply	AC power; on-board power supply in ambulance; built-in power battery			AC power; built-in power battery
Power input	not more than 25 VA	not more than 25 VA	not more than 30 VA	not more than 50 VA





ECG MACHINES

EC3T 01 RD/1 (with 57 mm paper)

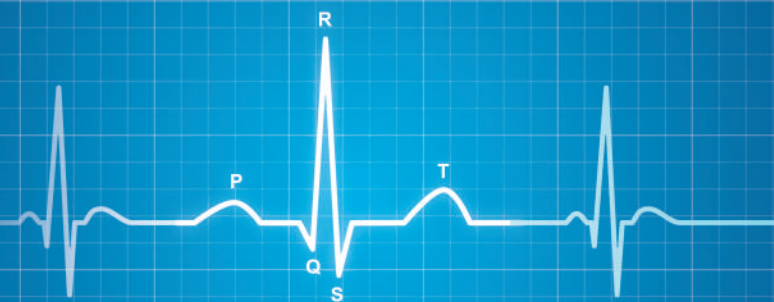
EC3T 01 RD/2 (with 80 mm paper)

A new generation of one-three-channel ECG machine with the possibility of connection to the hospital network and transmission of ECG to the central station via GSM

Besides the characteristics shown in the table the device provides:

- LAN or Wi-Fi to connect ECG machine to the hospital network;
- USB to connect to the external laser printer, keyboard and barcode scanner;
- in-built automatical analysis of ECG in basic kit and more opportunities for analysis with conclusions using expert class in-built software «ArMaSoft»;
- output information to PC using program modules of registration and archivation «ECG Review» or analysis of resting ECG «ArMaSoft-12-Cardio»;
- transmission of ECG data via GSM to the central station;
- set up of 10 user profiles;
- 1 or 3 rhythm leads recording and printing;
- view all of 12 leads on color TFT display;
- patient data entry and print;
- automatical printing after arrhythmia detection;
- trials mode allows to compare ECG before and after trials;
- work with children (option);
- displaying of the pacemaker impulses and defibrillator protection;
- work as a part of stress-test system.

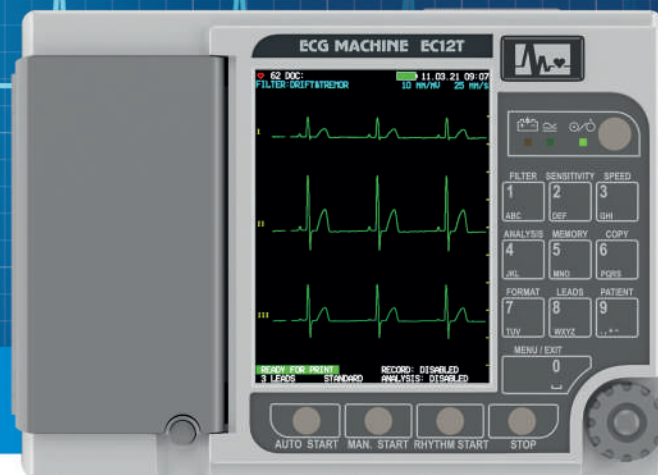




ECG MACHINE

WITH ECG REGISTRATION IN MANUAL AND AUTOMATIC MODES

EC12T 01 RD/141



Besides the characteristics shown in the table the device provides:

- simultaneous displaying of 3,4,6 or 12 leads on color TFT display and printing the leads in the same scale;
- automatical printing after arrhythmia detection and extend of printing allows to save paper;
- printing 12 leads simultaneously and ECG protocol on external laser printer using A4 paper;
- check ECG cable;
- automatic ECG analysis in the basic set and full syndrome diagnostic (option);
- trials mode (periodic printing), observation period up to 3 hours, printing interval from 1 to 90 min.;
- simultaneous and sequential ECG record;
- record ECG in manual mode with any number of ECG leads;
- quick control using 14 direct keys;
- 1 or 3 rhythm leads mode allows to observe the changes in the heart rhythm;
- combined alphanumeric and functional membrane keyboard;
- knob control makes it easy to operate;
- set up of 10 user profiles;
- connect external keyboard to simplify data entry (option);
- printing of average (typical) QRS complexes with marks;
- real-time output information to PC using program modules of registration and archivation «ECG Review» or analysis of resting ECG «ArMaSoft-12- Cardio» from the internal memory and through an external Flash card;
- transmitting data via GSM module to the central station (option);
- switch off and control volume of sound alarms of R wave and keyboard;
- displaying of the pacemaker impulses and defibrillator protection;
- work as a part of stress-test system;
- measuring ECG from children (option).





ECG MACHINE

WITH ECG REGISTRATION IN MANUAL AND AUTOMATIC MODES

EC12T 01 RD/260

Besides the characteristics shown in the table the device provides:

- printing 12 leads simultaneously and ECG protocol on **external laser printer using A4 paper**;
- simultaneous **displaying of 1, 2, 3, 3+1, 3+2, 3+3, 6, 6+1 or 12 leads** on color TFT display and printing the leads **in the same scale**;
- automatic **ECG analysis** in the basic set and full syndrome diagnostic (option);
- automatical **printing after arrhythmia detection** and extend of printing allows to save paper;
- **trials mode** (periodic printing);
- simultaneous and sequential ECG record;
- record ECG in manual mode with **any number of ECG leads**;
- **1 or 3 rhythm leads** mode allows to observe the changes in the heart rhythm;
- set up of **10 user profiles**;
- connect **external keyboard** to simplify data entry (option);
- printing of average (typical) QRS complexes with marks;
- real-time output information to PC using program modules of registration and archivation «**ECG Review**» or analysis of resting ECG «**ArMaSoft-12- Cardio**» from the internal memory and through an external Flash or SD card;
- maintaining the **HL7 encoding format**;
- transmitting data via **GSM module** to the central station (option);
- switch off and control volume of **sound alarms** of R wave and keyboard;
- displaying of the pacemaker impulses and defibrillator protection;
- work as a part of **stress-test system**;
- possibility to measure ECG from children (option).



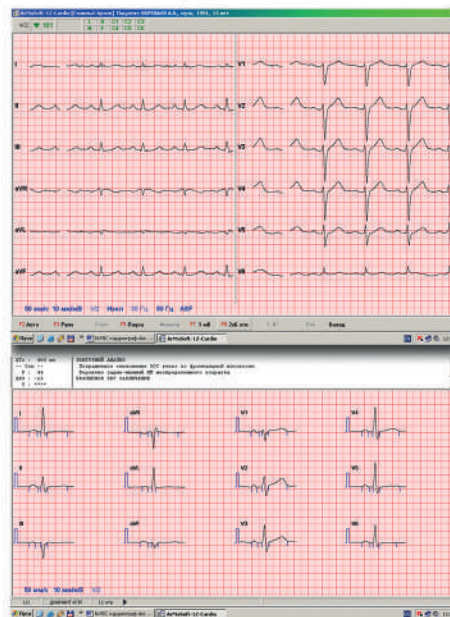


ECG MACHINES WITH INTERNAL GSM MODULE and program module for ECG input and analysis «ArMaSoft-12- Tele»

Can be used in ambulances, low-level healthcare centers (medical and obstetrical stations, outpatient hospitals, family medicine) to transfer ECG data to the central station for diagnostics and consultation.

General characteristics

- method of ECG transmission: via internal internet modem using SIM-card which allows to transfer data across the network zone.
- possibility of receiving medical conclusion with recommendations from remote station to ECG machine to print it;
- Online consultation mode from any PC connected to Internet;
- Storage of analysis results in archive;
- Enter patients name, date of birth, sex, identification number;
- Viewing on display of remote computer:
 - Initial ECG;
 - Average ECG in all leads with the results of rhythm analysis and contour analysis;
 - ECG parameters tables with all leads;
 - Rhythm ECG with analysis of the results;
- Service functions:
 - Printing of survey protocol containing patient's data, time, ECG, results and conclusions;
 - Possibility to compare ECG recorded at different times;
 - Online access to the database.



ECG MACHINES WITH GSM MODULE



13

Distinctive feature of the system is that it contains "Thrombolysis" Software.



PERSONAL REMOTE PATIENT MONITORING SYSTEM
SPDM-01

EHR-01

ECG HOLTER RECORDER

It is intended for use in the conditions of outpatient hospital, cardiological departments of hospitals and private medicine for 24-hour ECG monitoring.

Provides continuous registration and storage of ECG on ECG holter recorders EHR-01 with the following characteristics:

- 2,3,12-channel recorder
- recording up to **72 hours**
- fixing **"events"**
- registration of the patient's **body position**
- monitoring of the patient's **motor activity**
- **USB and Bluetooth** interfaces
- detection of the **pacemaker** activity
- OLED color display
- Can be used with **The BPLab®** ambulatory blood pressure monitor

The system consists of a playback device (PD) that includes a personal computer, printer and "SHS-24" software, and one or more ECG holter recorders with cable leads, a cover and the necessary accessories.

The system is an instrument for effective diagnosis of diseases of the cardiovascular system. The device can store a large array of information and register the ECG without limiting the freedom of movement and actions of the patient. The system allows you to view the patient's recorded ECG, perform ECG analysis, perform the necessary editing and obtain a survey report, and also store the results of the survey in the archive.

The system provides an opportunity to print survey report including patients data, time, heart rate, total number of heart beats, number and type of extrasystols, number of bradycardia attacks and pauses, ST-segment shift, printing ECG, etc.




```

int* ip = (int*);
int i;
int res=0;
for(i=0; i<5; i++){
    res += ip[i];
}
return res;
}

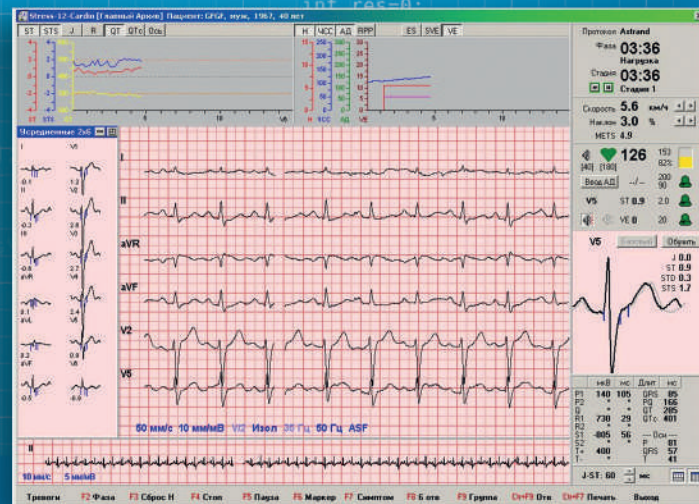
int main(int argc, char* argv){
    if(argc<2){
        printf("usage : %s [passcode]\n", argv[0]);
        return 0;
    }
    if(strlen(argv[1]) != 20){
        printf("passcode length should be 20 bytes\n");
        return 0;
    }
    if(hashcode == checkhashcode(argv[1])){
        printf("right passcode.\n");
        return 0;
    }
    printf("wrong passcode.\n");
    return 0;
}

```

STRESS-TEST SYSTEM

with program module of stress ECG

«Stress-12-Cardio»

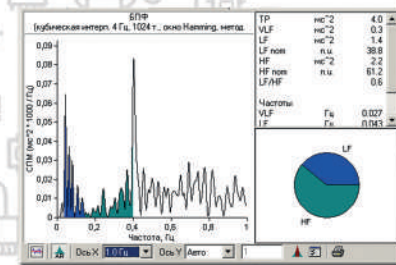
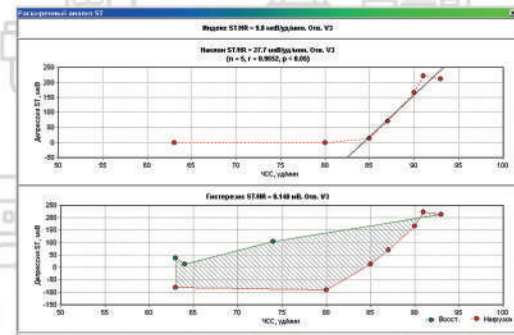


Can be based on Portable Recorder EPR-01, Wireless Recorder EWR-02 or ECG machines EC12T 01 RD and EC3T 01 RD.

Features:

- registration and interpretation of resting ECG and preparing precautions to testing;
- on-screen monitoring and continuous recording to memory up to 12 leads;
- automatic control after ergometers and treadmills of different types, built-in library of standard testing protocols ;
- heart rate, ST segment deviations, ventricular and supraventricular arrhythmia;
- automatic real-time measurements: electrical axis, waves (P, R, ST, STs, J), segments (P, QRS, PQ, QT/QTc). Monitoring trends of measured parameters;
- possibility of automatic measuring of NIBP (option);
- switching on alarms on such parameters as heart rate, NIBP, ST segment deviations, number of extrasystole;
- saving all data to digital memory;
- automatic analysis of the record from the memory;

- automatic generation of doctor's report with of its further editing ;
- printing both during the test or after it's finished on laser A4 printer.





PERSONAL REMOTE
PATIENT MONITORING SYSTEM
SPDM-01

EPR-01

with built-in ECG cable
(PC based ECG MACHINE)

It is intended for use in clinics and also at home for electrocardiographic examinations as a computer electrocardiograph with ECG Portable Recorder EPR-01 with PC-01 software including following characteristics:

- registration and transmission of 12 or 6 ECG leads via USB to a personal computer (for Windows TM) or a smartphone (for Android TM) for viewing, processing and archiving the resting and stress ECG;
- opportunity to send ECG by e-mail or by the standard app for Android TM for the doctor's consultation;
- USB wire from 1,5 up to 5 meters long;
- for self-use at home;
- start recording when you press a button on the wireless mouse connected to PC;
- automatically starts when applying electrodes and in case of arrhythmia detection;
- printing ECG on any external printer with A4 paper format connected to PC;
- heart rate calculation and counting the number of rhythm violations of cardiac system;
- displaying of the pacemaker impulses;
- calculating strain index.

The system consists of one ECG portable recorder EPR-01 with a USB wire and a software PC-01 (for Windows TM or Android TM). The information output is carried out to a personal computer with printer, a smartphone or a tablet.

It is possible to output data to personal computer with installed program modules of resting ECG analysis «ArMaSoft-12-Cardio», which allows to make not less than 241 preliminary diagnosis including ventricular hypertrophy, heart attack, rises of ST segment, ST-T changes, changes in QRS complex and T wave, rhythm analysis and conduction and also program module of stress ECG analysis «Stress-12-Cardio» for stress-testing.



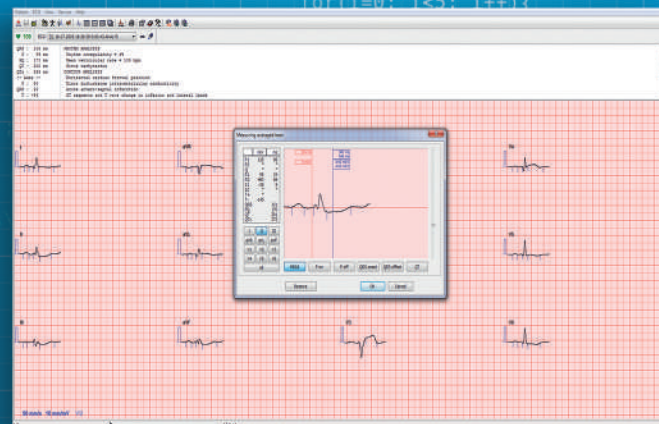
```

int* ip = (int*)p;
int i;
int res=0;
for(i=0; i<5; i++){
    res += ip[i];
}
return res;
}

int main(int argc, char* argv[]){
    if(argc<2){
        printf("usage : %s [passcode]\n", argv[0]);
        return 0;
    }
    if(strlen(argv[1]) != 20){
        printf("passcode length should be 20 bytes\n");
        return 0;
    }
    if(hashcode == check_password(argv[1])){
        system("python rest-ecg.py");
        return 0;
    }
    else
        printf("wrong passcode.\n");
        return 0;
}

```

SOFTWARE MODULE FOR REST-ECG ANALYSIS



“ArMaSoft-12 Cardio”

Can be used with the ECG recorders EPR-01 and EWR-02 and also with any ECG machine manufactured by Monitor Ltd.

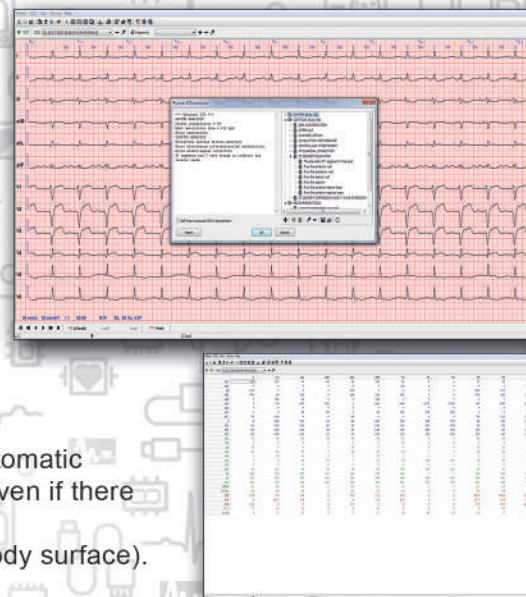
When using the “ArMaSoft-12-Cardio” software module for rest-ECG analysis on PC, it provides the opportunity to simultaneously register high quality 12 leads ECG. Automatic measurements and calculations of all general ECG parameters. Automatic interpretation by rhythm or contour.

Main options of automatic analysis:

- Contour analysis (more than 250 conclusions on all types of ECG changes)
- Heart rhythm diagnosis (more than 200 conclusions)
- ECG dynamics evaluation (comparison of 4 studies)

Extra options of automatic analysis:

- Analytic operation mode (you can choose random complex for automatic interpretation which allows you to get an accurate interpretation even if there is a strong heart rhythm disorder).
- Calculating of the left ventricular mass index (LVMI g/m² of the body surface).
- QT interval dispersion (QTd) measurement.
- «Thrombolysis» program (new!) – quantification of the possibility of the acute myocardial ischemia
- Program analysis of heart rate variability in the spectral and temporal field.



PATIENT MONITOR

	MITAR 01 RD	
Diagonal	10,4 inch	12 inch
Dimensions	276 x 160 x 255 mm, 3,6 Kg	308 x 163 x 290 mm, 3,8 Kg
Display	color sensor TFT display with backlight	
Resolution	800*600 dots	
Number of displayed curves	from 2 up to 9 or 12 channels	
Use in ambulance	Yes	
Scan rate	1,5; 3; 6,25; 12,5; 25 and 50 mm/sec	
Large numbers mode	Yes	
Alarms	3 types of sound and visual disabled alarms	
Internal thermal printer (option)	print trends, curves, events from memory, numeric parameters	
Paper width	57 mm, Roll	
Memory and trends	from 24 up to 96 or 192 hours	
Power supply	AC power; on-board power supply in ambulance; from built-in power Li-ion battery	

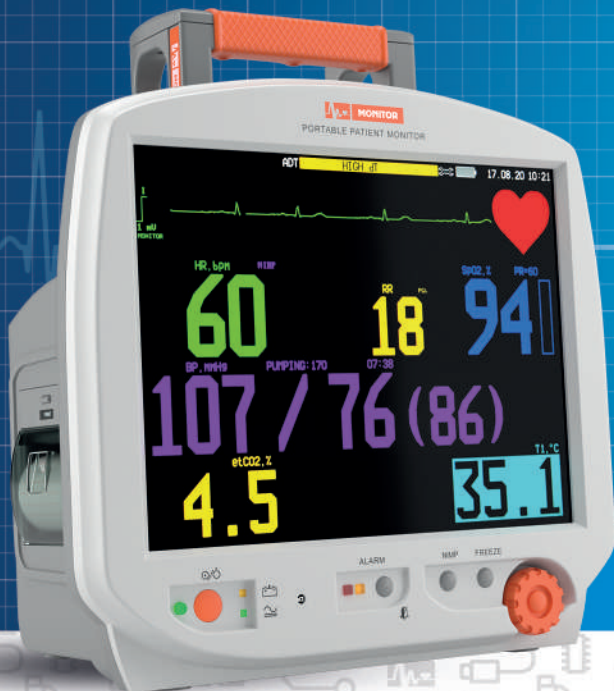
DELIVERY SET

	1	2	3	4	5	6	15	16
12 leads ECG	+	+	+	+	+	+	+	+
Pneumogram	+	+	+	+	+	+	+	+
Temperature	+	+	+	+	+	+	+	+
Heart Rate	+	+	+	+	+	+	+	+
Pulse	+	+	+	+	+	+	+	+
3-lead ECG cable	+	+	+	+	+	+	+	+
NIBP module	-	+	+	+	+	+	+	+
Reusable NIBP cuff	-	+	+	+	+	+	+	+
Temperature sensor YSI 400	-	-	+	-	-	+	+	+
SpO2 module	-	-	-	+	+	+	+	+
SPO2 sensor	-	-	-	+	+	+	+	+
CO2+O2 module	-	-	-	-	-	-	+	+

OPTION

Video module; Thermal printer; Central station with memory card; MULTI module; 1 channel IBP module; 2 channel IBP module; 4 channel IBP module; MGAS module; BISx module; capnography sensor in main stream; 5-lead ECG cable; 6-lead ECG cable; 10-lead ECG cable; Disposable capnography line oral - nasal; Disposable IBP sensor with line; Thermodilution catheter "Korodin" (with accessories); Multigas Probes (with accessories)





PATIENT MONITOR

MITAR 01 RD

Purpose of use: reanimation, anesthesia, intensive care units of hospitals and reanimobiles for all age groups!

Measured parameters: heart rate, from 1 up to 12 ECG leads, photoplethysmogram and SpO₂, pulse, blood pressure, pneumogram, respiration (RR), capnogram, apnea, temperature, up to 4 channels of invasive blood pressure, cardiac output, multigas, index of anesthesia depth (BIS), thermal printer.

- work with different **groups of patients**: adults, children, neonatal;
- continuous control after blood pressure by pulse wave transit time;
- **synthesis of 12 leads** with 5 ECG cable;
- automatic change in the brightness level of the screen depending on the degree of illumination;
- measuring of ST segment displacement and extended arrhythmia analysis;
- calculating **strain index**;
- work up to 4 hours with batteries;
- wired and wireless (Wi-Fi) **connection to central station**;
- drug calculators, haemodynamics, oxygenation, ventilation, renal function;
- possibility to transfer patient data and settings from one monitor to another using SD card or Flash and multibed view;
- **memory** up to 100 fragments of any physiological curves, full recording on **SD card or Flash**;
- three levels of visual and sound **alarms**;
- up to **10 user profiles** with individual adjustment;
- printing on external A4 laser printer.





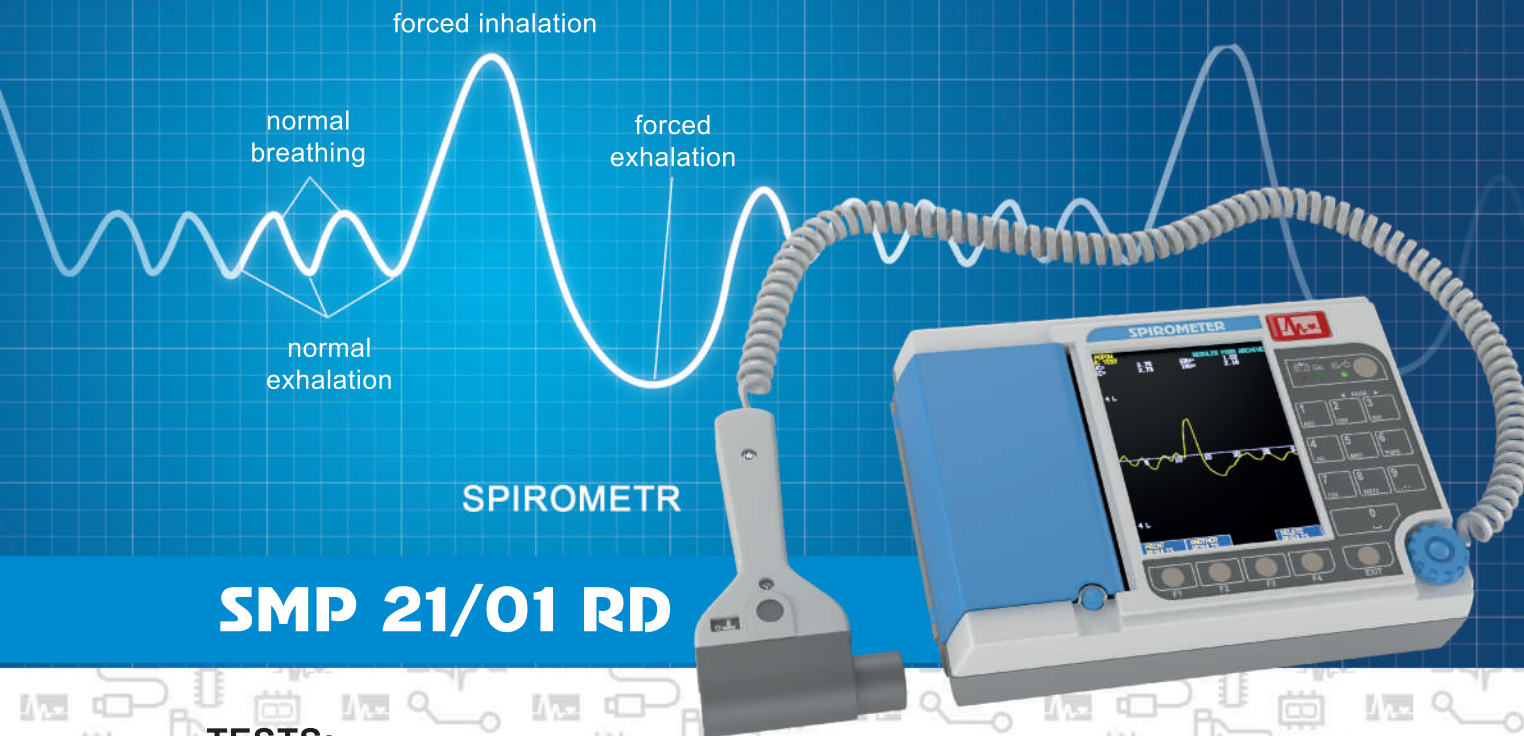
CENTRAL MONITORING STATION

Central Monitoring Station is a computer with LAN and (or) Wi-Fi interfaces and installed «PCM» Central monitoring software module.

Provides:

- Simultaneous receiving, storage, displaying and printing of the data from not less than one patient monitor MITAR 01 RD;
- Displaying of vital physiological parameters:
 - Heart Rate (HR);
 - Pulse Rate (PR);
 - Respiration Rate (RR);
 - Non-invasive blood pressure (NIBP);
 - Arterial or venous invasive blood pressure (IBP);
 - Temperature (T);
 - saturation of arterial blood (SpO2);
 - measurements of FiCO 2 , FetCO 2 ;
 - measurements of FiO 2 , FetO 2 ;
 - measurements of FiN 2 O , FetN 2 O ;
 - anesthetic gases: Hal, Enf, Iso, Sev, Des;
 - cardiac output;
 - anesthesia depth by bispectral analysis (BIS).
- Displaying all the parameters received from patient monitors: ECG, photoplethysmogram, IBP, NIBP, capnogram, oxygram, pneumogram, CO 2 , two anesthetics of your choice. There can be more or less number of physiological parameters depending on delivery set;
- Patient registration and displaying of patients name, registration number, weight, height, sex, etc.;
- Recording of events, ECG, trends;
- Sound and visual alarms;
- Wired or wireless (WI-FI) connection to central station.





SMP 21/01 RD

TESTS:

of VC and forced expiration; "flow-volume loop"; of minute tidal volume; of maximal voluntary ventilation. Post medication probe.

Purpose of use:

- departments of functional diagnostics;
- departments of pulmonology;
- asthma monitoring;
- sports, aerospace medicine;
- medical services (medical examination);
- Predicted values calculation for adults and children on Klement/Shiryaeva, ITS, ECCS, KNUDSON and preliminary conclusion;
- displaying measurement results on **colored TFT display**;
- printing report on **built-in thermal printer** on 110 mm paper width;
- printing report via USB port on **external laser printer**;
- work from **built-in battery**;
- keeping patient data in **non-volatile memory**;
- possibility to output data to a PC with program module of registration and archivation of spirometry results "Spiro PC2",
- possibility to use both in inpatient and outpatient hospitals;
- power supply: AC 220 V, 50 Hz, DC 12 V and built-in battery;
- Dimensions: 250x174x63 mm, weight not more than 1,2 kg.



ECG MACHINES



EC3T 01 RD



EC12T 01 RD/141



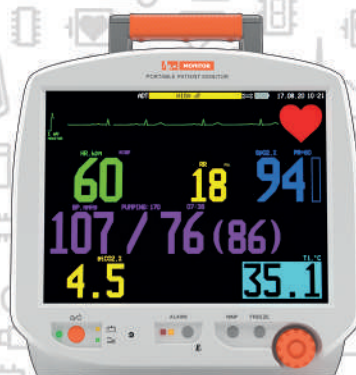
EC12T 01 RD/260

SPIROMETER

SMP 21/01 RD



PATIENT MONITOR



MITAR 01 RD

PERSONAL REMOTE PATIENT MONITORING SYSTEM SPDM-01



ECG HOLTER RECORDER
EHR-01



ECG PORTABLE RECORDER
EPR-01

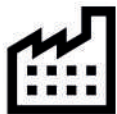


ECG WIRELESS RECORDER
EWR-02



ALL MANUFACTURED DEVICES





Research and Production Company
«MONITOR LIMITED»

Address: 104a Krasnokursantskaya Street,
Rostov-on-Don, Russia, 344068
Phones: +7 (863) 231-04-01 +7 (863) 243-61-11
Fax: +7 (863) 243-63-77
E-mail: mon@monitor-ltd.ru

MONITOR

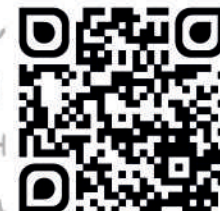
TO BETTER HEALTH THROUGH BETTER DEVICES SINCE 1992



LICENSES AND CERTIFICATES:



Quality Management System – ISO 13485:2016
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