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to clinical trial industry

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Our offer includes:

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Equipment Rental catalog
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Current catalog is always available on our website!

1. MPW 54

The MPW 54 model is a compact laboratory centrifuge dedicated for general use. You can connect the centrifuge to the 12V car cigarette lighter socket with 600W inverter. This gives you possibility of work in the field and quickly obtain test results.

Technical parameters:
- Turnover – 3500 rpm
- Power – 230V 50/60Hz, 115V 50/60Hz
- Power consumption – 60 W
- Max the volume of spin – 90 ml
- Maximum acceleration – 1137, 3122 x g or 93, 1137 x g
- Range of revolutions – 1 - 30 min, step 1 min
- Size (HxWxD) - 180 x 220 x 270 mm
- Weight - 4 kg

Features:
- A centrifuge designed with the specific of family physicians and veterinarians
- Intuitive setting of spinning parameters
- LCD display
- 2 centrifuging speeds
- 1 acceleration / deceleration curve
- Centrifuging time adjustment
- Continuous operation mode
- Small size

Safety:
- Lid locking during rotor run
- Emergency lid lock release

2. SIGMA 1-16

Mini Centrifuge adapted to centrifuge tubes with a 1.5 / 2.2 mL (Eppendorf), 5 ml (Eppendorf) and a 0.2 / 0.5 ml (such as PCR or single strips). The centrifugal force (with an accuracy of 10 × g), program run time (with an accuracy of one second) from 10 seconds to 99 minutes 59 seconds and the option for continuous operation.

Technical parameters:
- Turnover – 200 to 15,000 rpm (in steps of 100 rpm)
- Power - 230 V / 50 Hz
- Power consumption - 200 W
- The maximum capacity of - 36x1,5 / 2.2 ml
- Maximum force - 20,627 x g
- Interference suppression - EN 61326
- Size (HxWxD) - 271 x 310 x 418 mm
- Weight - 13 kg
- Max. acceleration time for rotor 12134 - 13 s
- Minimum braking rotor 12134 - 13 s

Features:
- High-speed centrifugation
- Soft / quick start and stop
- Automatic lid opening after the spin
- Programming of 10 user programs
- LCD display allows to read the current value of the speed (rpm) or centrifugal force (xg)
- Electrically closing / opening lid
- Air cooling system to prevent excessive temperature rise during rotation

3. MicroSpin 12

High-speed mini-centrifuge Microspin 12 is a compact desktop centrifuge designed for biomedical laboratories. Microspin 12 is used for extracting RNA/DNA samples, sedimentation of biological components, biochemical and chemical analysis of microsamples. A display simultaneously shows actual and set values for: 1. Centrifugation time;
2. Set and actual speed values; 3. Relative centrifugal force.

Technical parameters:
- Turnover – 100 -14 500 rpm (in steps of 100 rpm)
- Power - 100-240 V, 60 W / DC 24 V, 2.1 A
- Run time - 1-30 min
- Size (HxWxD) - 200 x 240 x 125 mm
- Weight - 3,5 kg
- RCF - max. 12 x 400 g

Features:
- LCD display
- Noiseless performance at the maximal speed
- Long service life
- Designed for accommodation of 12 Eppendorf microtubes
- Rotor made of aluminium
- The external power supply unit allows operation in cold rooms (at ambient temperatures from +4°C to +25°C)

4. MPW 56

Micro centrifuge laboratory is designed for in vitro diagnostic use. Its structure guarantees easy service, safe work and the wide range of applications in medical analyzes, veterinary, biochemical and others. It is used for separation of mixtures, suspensions, body fluids into components of different densities under the influence of centrifugal force.
The centrifuge must not spin preparations corrosive, flammable and explosive.

Technical parameters:
- Turnover - 100 - 6000 rpm
- Power - 100 V - 230 V 50/60 Hz
- Power consumption - 70 W
- RCF - 3341 x g
- Max volume - 90 ml
- Size (HxWxD) - 180 x 220 x 270
- Weight - 4 kg

Features:
- Maintenance-free induction motor
- Small size and ease of use
- Simple control system
- Programming time from 1 to 60 minutes or continuous operation
- Short acceleration and deceleration
- Choice of spin speed
- Digital display of time
- Safe work

1. MPW 260 R

Universal centrifuge table designed for general use. The device is equipped with a maintenance-free induction motor, a modern programming system, LCD display. During the process of spin can change the parameters, the rotor is identified automatically, the lid is opened automatically also. The security level is high, thanks to the signal of unbalance, lock the lid open and emergency cover.

Technical parameters:
- Turnover - 90 - 18 000 rpm
- Power - 230 V / 50.60 Hz
- Power consumption - 450 W
- Run time - 0-99 min 59 s
- RCF - 24 x 270 g
- Max volume - 500 ml
- Size (HxWxD) - 365 x 660 x 320 mm
- Weight - 46.5 / 50.2 kg

Features:
- 99 programs
- Effective ventilation system
- Spin control of - RPM / RCF
- Temperature range from - 20 to + 40 °C
- Run parameters can be recorded (PC) and printed

2. Eppendorf 5424 R

Ideal for all modern applications in molecular biology with Eppendorf tubes and PCR tubes. Centrifuge 5424 R is used for the separation of mixtures of substances of different densities, in particular for the processing and analysis of samples from the human body as part of in vitro diagnostics, in order to ensure that the used device for in vitro diagnostics can be used for its intended purpose.

Technical parameters:
- Turnover - 14 680 rpm
- Power - 230 V / 50 – 60 Hz
- Power consumption - 350 W
- Capacity of the rotor : 24 × tube 1.5 / 2.0 mL
- Max acceleration - 21,130 × g
- Size (HxWxD) - 290 x 480 x 260 mm
- Weight - 21 kg

Features:
- Protects sensitive samples
- The clear digital display speed
- Cooled to 4 ° C in only 8 minutes
- Temp. range from -10 °C to 40 °C
- Automatically shut down after 8 hours of inactivity
- High energy efficiency and precision temperature control for maximum protection of the sample
- No problem with tearing open the lids of tubes during elution step

3. Eppendorf 5702 R

Low-speed centrifuges 5702 for general use has been developed specifically for clinical laboratories or dealing with cell culture, working with a small or average number of samples. These centrifuges are compact, so it can be set on any laboratory bench. Is used for separating mixtures of substances of different density, in particular for the processing and analysis of samples from the human body within the framework of in vitro diagnosis.

Technical parameters:
- Turnover - 4 400 rpm
- Power - 230 V, 50 - 60 Hz
- Power consumption - 380 W
- Capacity of the rotor – 4 x 100 mL
- Max acceleration - 3 000 × g
- Available rotors - 6
- Size (HxWxD) – 380 x 580 x 260 mm
- Weight without accessories - 36 kg

Features:
- Quiet operation and support 6 different types of rotors
- Can be adapted to any kind of tubes
- The FastTemp for rapid cooling
- Temperature range from -9 ° C to 40 ° C
- Automatically shut down after 8 hours of inactivity

1. SP 10

Simple device designed for clinical use (in the hospital and outpatient) and self-monitoring at home with color display 1.8" (resolution of 160 × 128 pixels). Simple operation, measurement standard spirometric parameters necessary for diagnosis and monitoring of lung diseases.

Technical parameters:
- FVC measurement range - 0 - 10 l
- PEF measurement range - 0 - 16 l/s
- accuracy rate - 3% or 0.05 l
- flow measurement accuracy - 10% or 0.03 l/s
- Power - 3.7 V
- Size (HxWxD) -97 x 89 x 36mm
- Weight - 150g

Features:
- Volume / time curve
- Possibility to order larger quantities, depending on your needs
- Ability to connect the device to your computer and upload all measurements for analysis in a computer program attached to the device

2. BTL-08 Spiro Pro

The modern Spiro Pro BTL-08 spirometer is designed for non-invasive lung capacity testing and quick and convenient recording of results in the camera's memory. The additional advantage of the device is the minimum operating costs - disposable or reusable mouthpieces. The camera has built-in highly specialized sensors to automatically measure ambient conditions (BTPS correction).

Technical parameters:
- Flow rate: 16 l / s (breath / exhalation) accuracy - ± 5% or 50 ml/s
- Volume range - 0.025 - 8.00 l accuracy - ± 3% or 50 ml/s
- Flow resistance - <79pa l = "" s = "" td = "">
- Power supply - 115V / 230V, 50 - 60Hz, 40VA
- Battery capacity - 3 - 4h
- Battery charging time - 10 hours (from full discharge)
- ADC resolution - 12 bit
- Integrated printer - 112mm paper printing
- Sampling frequency - 1000 Hz
- Size (HxWxD) - 330 x 270 x 74 mm
- Weight - 3.2 kg

Features:
- Color LCD touch screen
- Option to display flow-volume curves in real time,
- Displays up to three curves simultaneously
- Automatic selection of the most reliable test with the possibility of manual changes
- PRE / POST Bronchoproblems
- Automatic interpretation of results (Enright, BTS, ATS)
- Automatic BTPS correction - automatic measurements of ambient temperature, relative
- Up to 250 records stored in the camera's memory,
- Plastic mouthpieces adapted for disinfection or disposable paper mouthpieces,
- USB and RS-232,
- The ability to connect the device to an external printer via a USB
- Built-in rechargeable battery.

3. Lungtest Mobile

Lungtest Mobile is a compact, portable diagnostic spirometer. Operation spirometer is based on a large color LCD touch screen high resolution and wide viewing angle. Editing results provides built-in fast thermal printer. Lungtest Mobile is easy to use. High accuracy and technologically advanced software allows you to perform spirometry tests at rest and flow-volume curve.

Technical parameters:
- Max. flow / volume - 18 l/s
- The accuracy of the volume - 2%
- Accuracy of flow - 2%
- Color display to evaluate the results
- USB connection
- Size (HxWxD) - 52 x 250 x b/d mm
- Weight - 0.9 kg

Features:
- Fast and quiet thermal printer
- Database includes test results for 1,000 patients
- The ability to enable automatic diagnostic system

Features:
- The ability compare the results of up to 30 registered research
- Automatic classification of build quality research in the scale A-F
- The ability to export test results and curves to external programs
- Automatic control of the proper execution of the study, compliant ATS / ERS 2005
- Replaceable head pneumotach without bacterial filter protects the patient from infection
- Automatic evaluation of diastolic attempts to comply with the recommendations of the ERS
- The possibility of independent control of the spirometer calibration using a pump with a volume of 3 l
- Calculating standard deviations, and percentile values due

1. RLDF 0210

Based on a unique controller IntelliCold device has been designed from scratch for the safe storage of medicines. Small enough to set them on the job. With automatic integral temperature record 24/7.

Technical parameters:
- Capacity - 66 l
- Size (HxWxD) -725 x 450 x 485mm
- Temperature range - from 2 to 8 °C
- Nominal temperature - 5 °C

Features:
- Automatically records temperature data
- Power failure alarm
- Low / high temperature alarm
- Minimum / maximum temperature recording and display
- The ability to disable the automatic defrost
- Fan assisted cooling
- Refrigerant environmentally friendly
- Lock with two keys
- Temperature indicator
- Inner light
- Slot for SD cards - standard

2. LKUV 1610

Presented device is equipped with numerous features allowing for optimal storage of sensitive samples, chemicals and materials research. Precise control module allows very accurate temperature control, in combination with an effective insulation and a dynamic cooling system ensures optimal storage conditions.

Technical parameters:
- Capacity - 141/130 l
- Size (HxWxD) - 82 x 60 x 61.5 cm
- Temperature range - from 3 to 8 °C
- Voltage - 220-240 V
- Power Rating - 1.0 A
- Power - 0.7 kWh
- Weight - 40 kg

Features:
- Automatic control
- Automatic defrosting
- Optical and acoustic alarm
- Automatically closed back door

Features:
- Can be placed under the counter
- Quiet and efficient cooling system
- Housing: steel coated with lacquer
- External digital temperature display
- The interface for external monitoring
- Dynamic air circulation and cooling system
- Access to the external temperature sensor
- Protection thermostat before falling temp. (below + 2 °C)
- The alarm system stores the date and duration of the last 3 alarms
- Gradient and fluctuation of temperature according to the standard NF X 15-140

3. RLDF 0510

Professional pharmaceutical refrigerator with a capacity of 150 liters, equipped with a controller IntelliCold. Designed for safe storage of samples.

Technical parameters:
- Capacity - 150 l
- Size (HxWxD) - 820 x 600 x 610 mm
- Temperature range - from 2 to 8 °C
- Nominal temperature - 5 °C

Features:
- Automatically records temperature data
- Power failure alarm
- Low / high temperature alarm
- Minimum / maximum temperature recording and display
- The ability to disable the automatic defrost
- Fan assisted cooling
- Refrigerant environmentally friendly
- Lock with two keys
- Temperature indicator
- Inner light
- Slot for SD cards - standard

4. RLDF 1010

Freestanding refrigerator with a capacity of 300 liters, equipped with a controller Labcold IntelliCold, which provides secure storage of cold pharmaceutical materials. Refrigerator clearly displays the internal temperature and the minimum and maximum temperature.

Technical parameters:
- **Capacity - 300 l**
- Size (HxWxD) - 1500 x 600 x 660 mm
- Temperature range - from 2 to 8 °C
- Nominal temperature - 5 °C

Features:
- Automatically records temperature data
- Power failure alarm
- Low / high temperature alarm (works in the event of power failure)
- Minimum / maximum temperature recording and display
- The ability to disable the automatic defrost
- Fan assisted cooling
- Refrigerant environmentally friendly
- Lock with two keys
- Temperature indicator
- Inner light
- Slot for SD cards - standard

5. LKv 3910

Precise electronic module Comfort enables precise temperature setting. Dynamic cooling system ensures maximum temperature stability. Integrated alarm systems ensure safe storage of products.

Technical parameters:
- Capacity: 360/344 l
- Size (HxWxD) - 184 x 60 x 61.5 cm
- Temperature range - from 3 to 8 °C
- Voltage - 220-240 V
- Power Rating - 1.5 A
- Power - 0.8 kWh
- Weight - 71 kg

Features:
- Air circulation
- Automatic control
- Electronic control
- Automatic defrosting
- Liner material - plastic
- External digital temperature display
- Housing: steel coated with lacquer
- Temperature range outdoors from +10 to +38 °C

1. DI 2000

Compact, small, light automatic conversion speed dispensing. Event History: 2000 to lock the buttons to prevent accidental operation. Changing the dosing rate without stopping the infusion. The possibility of adjusting the pump to work with different sets of (cameras).

Technical parameters:
- The scope of the dosing rate - from 0.1 to 1200 ml / h
- Stroke dosing rate - 0.1 ml
- Programming - time; flow; volume
- Power Type - Network and battery
- Work mode - micro; macro
- Fixing options - on a tripod; column; bed frame
- Flow range: 0.1 - 1200 ml / h

Features:
- Bolus function
- Compact, small, light
- History of events - 200
- Automatic conversion speed batching
- Key lock to prevent accidental operation
- Work on AC power and the built-in battery
- Signaling the operating status of the pump
- Change of speed without stopping the infusion
- The possibility of adapting the pump to operate with different sets (cameras)

2. Injectomat Agilia ZO 18093

High Precision Syringe Pump for the Intravenous Application of Drugs. Injectomat has a large display for good readability from a distance and user-friendly menu navigation. Shorter instruction reduce training requirements. Easy handling thanks to intuitive user interfaces.

Technical parameters:
- The scope of the infusion rate - from 0.1 to 1200 ml / h(for 50 ml syringe)
- Syringe Volume - 5; 10; 20; 30; 35; 50; 60 ml
- Type of power (mains / battery) - networking; battery
- The scope of the induction dose rate - from 50 to 1200 ml / h
- Range of programming occlusion pressure - from 100 to 900 mmHg
- Battery charging time - 5 h
- Resolution of programming 0.1
- Size (WxLxH) - 345 x 160 x 135 mm
- Weight - 2.15 kg

Features:
- Programmable modes
- Fast Starter - in no time at a rate
- Visible and efficient security features
- Easy, ergonomic spare parts replacement
- Infusion with or without indication of drug name

- Drug selection with medication list (with display)
- Accessories and software tools for easier service
- Control of the display brightness: Day / Night mode
- Shorter instruction times reduce training requirements

3. Aitecs 2016

Technical parameters:
- The scope of the infusion rate - from 0.01 to 2200 ml / h (for 50 ml syringe)
- Syringe Volume - 2; 3; 5; 10; 20; thirty; 50; 60 ml
- Power Type - Network
- The power supply built-in pump
- The possibility of mounting on a tripod
- Can be programmed in units of mass

Features:
- Large display
- Built in AC adapter
- Easy, intuitive operation
- Communication in Polish
- Can be mounted to the dock
- The internal library of 350 drugs

- Programming in units of volume and weight
- The possibility of programming the profiles of supply
- Communication with PC via USB or via a docking station
- Cooperation with syringes 2/3; 5; 10; 20; thirty; 50/60 ml
- Programmed supply speed range from 0.01 to 2200 ml / h (for a particular size syringe)

4. BeneFusion SP5

The new generation of syringe pumps to be infused drugs, fluids, and of nutrition and blood transfusion.
Pumps characterized by easy operation, high quality performance and reliability.

Technical parameters:
- The speed of infusion of 0.01 - 1500 ml / h (for 50 ml syringe)
- The volume of infusion of 0.1 - 9999.9 ml
- Cooperation with syringes: 5, 10, 20, 30, 50 ml
- Long battery life
- Weight - 2.5 kg

Features:
- Night mode
- Option TIVA TCI
- Software in Polish
- Large color LCD display
- Bolus automatic and manual
- Setting of occlusion pressure at 11 levels
- Sophisticated system of alarms and optical audio

- Automatic identification of the type and size of syringe
- History log 2000 includes a preview on the pump display
- Dosage units by weight relative to the weight of the patient
- Infusion modes: continuous, intermittent, the dose calculation from the volume and the time microinfusion
- Shorter instruction times reduce training requirements

5. Biocare iP 21

Single channel has a unique technology of calibration for compatible with syringe sets of any brand. It now also has a safety feature wherein the syringe pump will not start when the plunger is incorrectly located. The Biocare iP 21 can identify the specifications of syringe automatically. In addition, it also has a Bolus or KVR function.

Technical parameters:
- The volume of infusion of - 0-9999.9 ml
- The speed of infusion of 0.1-1500 ml/h (for 50 ml syringe)
- Size (LxWxH) - 330 x 150 x 140 mm
- Weight - 2.5 kg

Features:
- 3 level of occlusion pressure
- LCD display and unique door- free structure
- Precise control of the infusion rate and volume
- 8-hour built-in battery life working in high capacity
- History record storage and drug library function (optional)

- Three work modes: rate mode, time mode and weight mode
- Audible and visual alarms tiggered in case of malfunction or operation error

6. Perfusor Space PCA

Perfusor® Space is ideally suited for small infusion Capacity Settings (Intravenous analgesia). Advanced features that provide supply security and accuracy.

Technical parameters:
- The volume of infusion - 100.0 - 999.0 ml (cumulative 0.1 ml), 1000 - 9999 ml (increase of 1 ml)
- Size (WxHxD) - 249 x 68 x 152 mm
- Weight - 1.4 kg

Features:
- Keypad lockout code
- Built-in error reduction software
- Alarms are audible and color-coded
- Battery life approx. 8 hours at 25 ml / h
- The easy-to-learn and easy-to-program system
- Screen that remains visible in any light condition

- Large display, clearly visible drug name and parameters
- Medication library accommodating both hard and soft limits
- Flexible mounting options for both horizontal and vertical positioning
- Clearly recognizable bolus button is differentiated from nurse call button

1. LGUex 1500

Refrigerator for storage of flammable and explosive substances. Device can be placed under the counter and has a practical drawers - reduction of loss of cooled air. Static cooling system with 4 evaporator plates ensures maximum temperature stability.

Technical parameters:
- Capacity - 139 l
- Static air circulation
- Rated power - 220-240 W
- Temperature range: - 9 to - 26 °C
- Energy consumption - 0.9 kWh
- Size (WxDxH) - 600 x 615 x 820 mm
- Internal dimentions (WxDxH) - 454 x 450 x 663 mm
- Weight - 46 kg

Features:
- Manual defrost
- Self-closing doors
- Quiet and efficient cooling system
- The interface for external monitoring
- Access for external temperature sensor
- electronic temperature control system and open the door
- The alarm system stores the date and duration of the last 3 alarms
- Gradient and fluctuation of temperature according to the standard NF X 15-140 gradient 5,8K, fluctuation 0.8K

2. LGT 2325

Laboratory Chest has been designed to meet all requirements in terms of research and in the application of laboratory, clinical and industrial applications. 1-point calibration ensures maximum uniformity of temperature. Integrated alarm systems and external documentation and temperature alarms ensure safe storage of samples, chemicals and materials research.

Technical parameters:
- Electronic control
- Total capacity - 200 l
- Voltage - 220-240 V
- Temperature range: - 10 to - 45 °C
- Energy consumption - 2.256 kWh
- Size (WxDxH) - 91.9 × 113.2 × 76 cm
- Internal dimentions (WxDxH) - 117 x 50 x 65 cm

Features:
- Manual defrosting
- Freezers to - 45 °C
- Static cooling system
- Cover material - steel
- Temperature display - external digital
- Alarm power failure - external digital
- Material inside freezer - aluminium
- Connector potential free (floating) for connection to an external alarm system
- RS-485 interface for central documentation of the temperature profile data and alarm events

3. LGex 3410

Laboratory refrigerators for storing explosives and flammable chemical industry or specialized laboratories. This device is equipped with an electronic module and an interior Comfort anti spark. Reduction of loss of cooled air. Static cooling system with 8 evaporator plates ensures maximum temperature stability.

Technical parameters:
- Capacity - 310 l
- Voltage - 220-240 V
- Energy consumption - 1.0 kWh / 24h
- Size (WxDxH) - 60 x 61.5 x 184 cm
- Internal dimentions (WxDxH) - 42 x 40 x 158.7 cm
- Weight - 89 kg

Features:
- Static cooling
- Self-closing doors
- Climatic class: SN-ST
- visual and audible alarms
- Quiet and efficient cooling system
- Electronic control with digital display
- Access for external temperature sensor
- Electronic temperature control system and open the door
- Gradient and fluctuation of temperature according to the standard NF X 15-140 gradient - 2.9K, fluctuation - 0.4K

4. LCv 4010

Freezer with control system COMFORT with audible and visual alarms. Freezer has RS 485 interface.

Technical parameters:
- Capacity: refrigerator - 254 l; freezer - 107 l
- Size (WxDxH) - 600 x 615 x 2000 mm Internal (WxDxH) - 455 x 435 x 1110 mm + 431 x 435 x 597 mm
- Cooler temperature range: + 3 ° C to + 8 ° C
- Freezer temperature range: -9 ° C to -30 ° C
- Energy consumption - 1.8 kWh
- Refrigerator - 4 grids coated wire; load capacity up to 60 kg/ shelf
- Freezer - 3 drawers with transparent front
- load capacity up to 40 kg / 1 drawer
- Dynamic cooling system - cooler
- Static cooling system - freezer
- Defrosting: automatic – refrigerator; manual - freezer
- 1 x alarm power outage; 1 x RS 485

Features:
- Interior lighting
- Refrigerant - R-600a
- Climate class - SN-ST
- Self-closing doors with integrated lock
- Integrated data memory with temp. min / max.
- Port for connecting an external temperature sensor
- Visual alarm confirming the power outage after restoring
- Electronic control - separate for refrigerator and freezer
- Precision electronic controller with digital temperature display
- Without volt contact to forward the alarm to an external warning system
- Maximum temperature uniformity and stability according to the NF X15-14
- 2 compressors; 2 refrigeration circuits; 2 control panels
- 2 x door alarm system and high temperatures

5. LGPv 6520

These are heavy duty MediLine models with forced air cooling. The controller features door and temperature alarms which can be customised to suit the end user. Controller can be locked. The refrigerant used is hydrocarbon.

Technical data:
- Automatic control
- Capacity - 601 liters
- Dynamic air circulation
- Rated power - 400 W
- Voltage - 220-240 V
- Temperature range: - 10 to - 35 ℃
- Energy consumption - 4.7 kWh
- Size (WxDxH) - 215 x 70 x 83 cm
- Weigh - 173 kg
- Ambient temperature: +16 to + 43 ℃

Features:
- Multi-function digital display
- electronic temperature controller
- optional infrared key for data download
- Ergonomic handle and self closing doors
- Back-up battery for 7,5 days data logging
- 72 hours battery back up for controller in case of mains failure

1. ECG 300GA

Portable 3-channel electrocardiograph compact. Has the memory of 15 records and possibility of connecting the stick.

Technical parameters:

- Data exchange USB port
- Power - network (230 V), rechargeable batter
- Setting mode: automatic, manual, rhythm
- Detection and display a lack of leads (LEAD-OFF)
- Built-in lithium battery, supports the work up to 4 hours
- Built-in high resolution thermal printer (paper 80mm x20m)

Features:

- Display - 2.75" LCD
- Well designed a simple keyboard panel
- Automatic measurement of the ECG parameters
- Write to the internal memory up to 15 digital ECG
- Automatic adjustable base line, optimizing the printing position
- A complete set of digital filters, adjustment of baseline shift,
- AC filter
- Noise filter EM

2. CP 50 PLUS

Portable electrocardiograph CP-50 Welch Allyn is a simple-to-use camera designed primarily for customers who appreciate the service with a few buttons. Polish menu on the screen makes the camera very intuitive.
CP 50 is equipped with communication functions to cooperate with the other systems and shorten time to document the results.

Technical parameters:

- Weight - 2 kg
- Mains and battery
- Memory - 50 patients
- Paper speed: 10,25,50 mm / s
- Prints: 3 × 4 or 2 × 6 to 25mm / s
- Size (WxHxL) - 32,5 x 8 x 18,8 cm
- Option measurements on equipment
- Operating modes: Auto. ECG, EKG, ECG rhythm
- Works with workstation Welch Allyn CardioPerfect to archive the results

Features:

- Thermal printer
- 4,5" color display
- Color touch screen
- On-screen instructions
- Lightweight and portable
- Programmable formats reports

3. CARDIO 7

Advanced 12 - channel ECG Cardio7 with a touchscreen display, analysis and interpretation of the study and a USB port.

Technical parameters:

- Power - battery
- Graphic display
- The amount of lead ECG - 10
- Internal memory up to 120 tests
- Size (WxHxL) - 296 x 92.5 x b / d
- Storage record of research by the USB port
- 12-channel ECG for selecting a 130-lead diagnostic

Features:

- Internet upgrade
- Color touch screen 7"
- Compatible with BMS-Plus
- Analysis of heart rate variability
- Diagnostic levels for adults and children
- Electrocardiogram measurement for 5 minutes
- Function with a spirometer connected snap spirometric (optional)

4. AsCARD GOLD3 v. 201

Channel electrocardiograph with many new solutions such as built-in printer A4.

Technical parameters:
- Printing in 3, 6 or 12 leads
- TFT color LCD display (10.4 ")
- Presentation of the heart rate (HR)
- Presentation of 3, 6 and 12-lead ECG
- Built-in printer A4 (roll width. 210 mm)
- Ability to print on the external printer
- Digital filtering network disruptions, 50 Hz, 60 Hz
- Digital filtering of interference origin muscular, 25; 35, 45 Hz
- Presentation of the results of the analysis and interpretation

Features:
- Battery mode - up to 300 tests
- Jobs in Auto or Manual
- Automatic analysis and interpretation
- Signaling the state of charge of the battery.
- Extensive database of patients - 2,000 research
- Signaling bad connection of the individual electrodes
- Configuring the camera settings and the control panel
- Configuring the appearance and composition of the screen

5. AsCARD Green v. 04.302

Practical and easy-to-use ECG for taking tests in the full range of 12 leads. Low weight, small size and battery operation allow you to freely move the camera anywhere. It is equipped with LCD display and a modern membrane keyboard.

Technical parameters:
- Weight - 1.3 kg
- Graphic display 240x128
- Write speed: 5/10/25/50 mm / s
- Size (WxHxL) - 255 x 195 x 69 mm
- Print mode 1 or 3 ECG waveforms
- Sensitivity: 2.5 / 5/10/20 mm / mV
- Perform up to 60 tests in automatic mode battery

Features:
- Sound signals detected beats
- Menu in Polish and English
- TFT color LCD display - 10.4"
- Noise filter network: 50 Hz, 60 Hz
- Muscle noise filter: 25 Hz, 35 Hz, 45 Hz
- Baseline filter 0.15 Hz, 0.45 Hz, 0.75 Hz, 1.5 Hz
- Built-in printer A4 (roll width. 210 mm)
- INOP independent control for each electrode
- Camera suitable for direct work on open-heart
- Module for automated analysis and interpretation
- Presentation on display 1, 3, 6 or 12 ECG waveforms
- Graphical menu displayed on the screen supported by a keyboard

6. AsCARD ORANGE v. 04.201

An intuitive 3/6/12 channel ECG apparatus allowing to perform tests in the full range of 12 leads. It is distinguished by graphical on-screen display for easy operation using the alphanumeric keypad and the ability to print on paper with a width of 112 mm. It is equipped with a module for automatic analysis and interpretation.
Low weight, small size and battery operation allow you to freely move the camera anywhere.

Technical data:
- Printout from the "clipboard" automatic ECG in groups of 3, 6 or 12 leads
- Noise filter network (50 Hz, 60 Hz)
- Muscle noise filter (25 Hz, 35 Hz, 45 Hz)
- Baseline filter (0.15 Hz, 0.45 Hz, 0.75 Hz, 1.5 Hz)
- Perform up to 130 tests in automatic mode battery
- Graphical on-screen display (128x240, diagonal 96 mm)
- Detach detection electrodes independently for each electrode
- Presentation on the display and printing of 3, 6 or 12 ECG waveforms in a standard or Cabrera

Features:
- Graphic display 240 x 128 mm
- Print mode 3, 6 or 12 channels
- Print on paper with a width of 112 mm
- Protection against impulse defibrillation
- Recording mode manual and automatic
- Camera suitable for direct work on open-heart
- INOP independent control for each electrode
- Presentation on the display waveform 3, 6 or 12-lead ECG
- Graphical menu displayed on the screen supported by a keyboard
- Continuous measurement of heart rate (HR) and its presentation on the display

7. AsCARD GREY SYSTEM v. 07.204

Camera and mobile ECG system to perform ECG (12-channel). The kit includes ECG ASPEL AsCARD GREY v.07.204, trolley medical W30W and laser printer Samsung allows economical print in A4 format.

Technical parameters:
- Weight - 1.3 kg
- Power network and battery
- Registration of 12-lead ECG
- Size (WxHxL) - 258 x 199 x 50 mm
- Signaling the state of battery charge
- Perform up to 130 tests in automatic mode battery
- Perform spirometry screening using a set-SPIRO-31
- Print mode 3, 6 or 12 ECG waveforms on the printer apparatus (paper width 112 mm)
- Presentation on the display 3, 6 or 12 ECG waveforms, analysis and interpretation of research in memory

Features:
- Color touch screen 7"
- Adaptation to work directly for open-heart
- Protection against impulse defibrillation
- Communication with a PC via USB interface
- Writing tests to USB memory in PDF format
- Signaling the wrong connection of individual electrodes
- The ability to print additional information about the study and patient
- Patient base and research (up to 1,000 patients and 1,000 research)
- Export testing to USB, on e-mail or to another device by using ECG-MAIL
- Wireless (Wi-Fi) or wired communication with the LAN or to the Internet via LAN
- Automatic analysis and interpretation (results depend on the age and sex of the patient)
- Module for automated analysis and interpretation
- Presentation on display 1, 3, 6 or 12 ECG waveforms
- Graphical menu displayed on the screen supported by a keyboard

Low temperature freezers

1. ULT U100

Personal freezer for easy access and daily use in laboratories, hospitals or anywhere scientific research and storage of sensitive samples is required – e.g. viruses, bacteria, cell preparations and tissue samples. In combination with a low weight, it is also very easy to move around. Low cost of ownership due to very limited maintenance, on-site service and low power consumption.

Technical Parameters:
- Capacity - 93 l
- Temp. range from -60°C to -86°C
- Energy consumption - 6,55 kWh (24h)
- Voltage - 220 V - 240 V (50/60Hz)
- Size (W x D x H) - 825 x 595 x 585 mm
- Weight - 65 kg

Features:
- Door alarm
- High/low alarm
- 50h battery backup
- Temperature logger with USB port
- Optimal footprint and second-to-none use of space.
- Easy installation – the freezer can go through all standard doors.

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2. Arctico ULTF U220

High performance freezing with focus on low energy consumption. The range has been updated with advanced Arctiko controller which ensures that all alarm and data logging features are included as standard. The ULTF range is produced with the true and original single compressor technology which ensures the lowest noise level available.

Technical Parameters:
- Capacity - 189 l
- Temp. range from -40°C to -86°C
- Energy consumption - 7,4 kWh (24h)
- Voltage - 230 V
- Frequency - 50 / 60Hz
- Size (W x D x H)
  External - 920 x 695 x 885 mm
  Internal - 760 x 440 x 635 mm
- Weight - 64 kg

Features:
- Single compressor
- Low energy consumption
- Low noise level (50 dBa)
- Low heat dissipation
- 100% HCFC/CFC free
- Sub lids
- Castors and key lock
- Porthole for external temperature probes

3. ZLN-UT 200

ZLN-UT 200 is a Low Temperature Freezer with applications in biotechnology, research, pharmacy or storage. Has 3 chambers with max. internal load 10 kg and max. freezer load is 65 kg. Warranty for 24 months.

Technical Parameters:
- Capacity - 237 l
- Temp. range from -40°C to -86°C
- Voltage - 230 V
- Frequency - 50 Hz
- Size (W x D x H)
  External - 850 x 1620 x 950 mm
  Internal - 520 x 830 x 550 mm
- Weight - 180 kg

Features:
- Shelf workload - 10 kg
- Unit workload – 65 kg
- Internal chambers – 3
- Temperature resolution – every 0.1°C
- Over temperature protection
- Natural air convection
- Microprocessor controller with external LCD graphic display

4. ULT U250

Freezer for temporary to long term storage and/or daily use in laboratories, hospitals or anywhere scientific research and long-term storage of sensitive samples is required – e.g. viruses, bacteria, cell preparations and tissue samples. Ideal where space is limited but the user still needs a regular storage capacity

Technical data:
- Capacity - 253 l
- Temperature range from -60°C to -86°C
- Energy consumption - 9,0 kWh (24h)
- Voltage - 220 V - 240 V (50/60 Hz)
- Size (W x D x H) - 2055 x 600 x 595 mm
- Weight - 135 kg

Features:
- Castors
- Door alarm
- High/low alarm
- 48h battery backup
- Temperature logger with USB port
- Easy installation – the freezer has a small foot print and can go through all standard sized doors
- Dual cooling single stage compressor system, maintains min. -60°C with only 1 compressor running

5. Arctico ULTF 320

Updated with advanced Arctiko controller which ensures that all alarm and data logging features are included as standard. The ULTF range is produced with the true and original single compressor technology which ensures the lowest noise level available.

Technical data:
- Capacity - 284 l
- Temp. range from -40°C to -86°C
- Energy consumption - 7,7 kWh (24h)
- Voltage - 230 V
- Frequency - 50 / 60Hz
- Size (W x D x H)
  External - 1262 x 698 x 885 mm
  Internal - 1100 x 440 x 630 mm
- Weight - 76 kg

Features:
- Single compressor
- Low energy consumption
- Low noise level (50 dBa)
- Low heat dissipation
- 100% HCFC/CFC free
- Sub lids
- Castors and key lock
- Porthole for external temperature probes

6. Haier DW-86L338

Four independent inner doors and four layer sealing structure, having good heat insulation to reduce energy consumption. The slim design easily fits through every standard lab door and takes small footprint.

Technical data:
- Capacity - 338 liters
- Temp. range from -40°C to -86°C
- Energy consumption - 7,7 kWh (24h)
- Voltage - 220 - 240 V
- Frequency - 50 Hz
- Size (W x D x H)
  External - 812 x 893 x 1846 mm
  Internal - 465 x 630 x 1165 mm
- Weight - 238 kg

Features:
- Caster
- Door alarm
- High/low temperature alarm
- High ambient temperature alarm
- Power failure alarm
- Hot condenser alarm
- Manual defrost mode
- Noise level 50 dB
- Upright cabinet type
- Slim design
- Energy saving construction
- Reliable performance

Portable refrigerator

TC-21FL

Portable car refrigerator designed to transport vaccines, blood, growth hormone and other drugs. Thanks to the thermoelectric cooling system, the refrigerator is small, lightweight and quiet. The digital temperature display makes it easy to control the current temperature inside the refrigerator. Equipped with intelligent energy saving function, individual temperature control and LED display.

Technical parameters:
- Capacity – 20 l
- Power consumption – 46 W (12 V), 50 W (24V), 64 W (230V)
- Size (W x D x H) - 420 x 450 x 303 mm
- Internal dimensions (W x D x H) - 353 x 319/325 x 208/298 mm
- Cooling temp. – +1° C to +15 °C (at ambient up to 30°C)
- Certificates – CE, TÜV / GS, e-certified (Automotive EMC Directive)
- Color - lower part of dark gray, top and light gray lid
- Weight - 7 kg

Features:
- Fast cooling
- Thermoelectric cooling system
- Energy savings (energy class A)
- Memory settings and LED backlighting
- Two operating modes: cooling and heating
- 7-stage temperature control, heating and cooling
- Soft-touch control panel with temperature control
- Power options: AC outlet, car cigarette lighter socket
- Digital display of the current temperature in the refrigerator compartment with audible alarm

Thermometer for the DT-2 refrigerator

The DT-2 thermometer is designed for use in the food industry to control and measure temperature. It is designed for measuring the temperature in rooms such as warehouses, refrigerators. Added temperature sensor ST-05-P-70, which is equipped with a connection cable 1 m long. The digital temperature meter is a very comfortable instrument, its small dimensions and low weight allow the thermometer to be used in all conditions.

Technical parameters:
- Range of measured temperatures -50°C to 200°C
- Storage temperature -30°C to 40°C
- Measuring range of the probe with:
- polyurethane cord ST-05-P-70 - from -50°C to 100°C
- silicone cable ST-05-S-70 - from -50°C to 180°C
- Probe range with FEP cable ST-05-F-70 - from -50°C to 270°C
- Resolution of 0.01°C
- Measurement accuracy ± 0.1°C
- 1 / 2xAA 3.6V (Lithium Battery)
- 3 1/2 digit LCD display
- Housing dimensions 45x100x19 mm
- Probe cable length 1m

Features:
- Temperature measurement in °C
- Resolution 0.01°C
- Access to maximum and minimum value
- Low battery warning
- The thermometer has two buttons - on / off
- HOLD allows you to remember the current temperature measurement
- MAX shows the maximum temperature
- MIN shows minimum temperature

Electronic thermometer TERMIK

Designed for measuring the temperature in rooms such as warehouses and refrigerators. It is manufactured in a special industrial ABS plastic with high mechanical strength. Special seals are used in the construction of the thermometer, so it is resistant to dust, dirt and water.

Technical parameters:
- Range of measured temperatures - from -30°C to 70°C
- Resolution across the measuring range of 0.1°C
- Accuracy +/- 0.5°C or better in the measuring range from -10°C to 40°C ± 1°C
- LCD display
- Battery life - 5 years of continuous operation at 20°C
- 1-2 years of continuous work at 0°C
- Power supply 1 / 2xAA 3.6V
- Housing dimensions 45x100x19 mm
- Degree of protection IP65 housing
- Weight - 85g

Features:
- Temperature measurement in °C
- Resolution 0.1°C
- Access to maximum and minimum value
- Measure the time since the last reset of the maximum and minimum values
- Low battery warning

Refrigerator thermometer 30.1024

Refrigerator thermometer with calibration certificate 30.1024 with alarm and thermal buffer - Thermometer with sensor on the cable

Technical parameters:
- Measuring range:
- Sensor - from -10°C to +50°C
- Base- from -50°C to +70°C
- Display resolution - 0.1°C
- Measuring accuracy - ± 0.5 ... 0.7 ° C
- Dimensions - 110 x 70 x 20 mm
- Weight - 130g
- Power supply - 1x 1.5V AAA battery

Features:
- Thermometer with sensor on the cable
- Clear LCD display entering two temperature thresholds
- Only for the sensor on the conduit, their overtaking signals
- Acoustic signal
- MIN / MAX memory of each measured value
- External sensor on 1.7m cable
- Aesthetic white casing
- Table stand or hanging wall hangers

Termikplus thermohygrometer

TERMIKPLUS is a temperature and humidity detector designed to measure temperature and humidity in rooms such as warehouses, refrigerators. Termikplus is manufactured in a special industrial ABS plastic with high mechanical strength. Special seals are used in the construction of the device, so it is resistant to dust, dirt and water.

Technical parameters:
- Range of measured temperatures - from -30°C to 70°C
- Resolution - 0.1°C
- Accuracy - ± 0,5°C or better in the measuring range from -10°C to 40°C ± 1°C
- Range of measured humidity 0 to 100% RH
- RH accuracy of the humidity measurement is 2% for the range of 30% - 70% RH over the remaining 5%
- Battery life - 5 years of continuous operation at 20°C
- 1-2 years of continuous work at 0 ° C
- Power supply 1 / 2xAA 3.6V
- LCD display
- Housing dimensions 45x100x19 mm
- Degree of protection IP65 housing
- Weight - 85g

Features:
- Original SHT15 Swiss sensor SENSIRION, which guarantees relative humidity +/- 2% RH
- Each sensor is separated by a filter from the environment in which it is working, so that no dirt, dust or water can get inside the device and the sensor itself

Temperature recorder TERMIO-2

The TERMIO-2 temperature recorder is an accurate thermometer that can store up to 32,000 data. Low cost of the unit and the very high accuracy of the measurement are elements that were a priority in construction. TERMIO-2 measured values record in 1 minute. Activation and deactivation of the registration can be done repeatedly using the keyboard located on the device panel. At this point in the device's memory, you will create additional files with saved data that you can conveniently view, print and save in .txt or .pdf format.

Technical parameters:
- Range of measured temperatures - from -50°C to 300°C
- Storage temperature - from -30°C to 40°C
- Resolution - 0.01°C
- Accuracy:
  - Up to 150°C: ± 0.15°C
  - Up to 200 °C: ± 0.3°C
  - 0°C-100°C: ± 0.07°C
- Measuring range of the probe
  - ST-05-P-70: -50°C to 100°C polyurethane lead probes
  - ST-05-S-70 silicone tube: -50°C to 180°C
  - FEP probes type ST-05-F-70: -50°C to 270°C
- LCD display
- Data storage rate is 1 minute
- Memory of 32000 measurements
- Sampling rate 2 x 1 minute
- Housing dimensions 45x100x19 mm
- Degree of protection IP65 housing
- Power supply 1 / 2xAA 3.6V

- Battery life at recording frequency every 15 minutes, at 8°C operating temperature equals 12 months
- USB interface
- Weight 85g

Features:
- Temperature recorder
- Temperature measurement in °C
- Display resolution 0.01°C
- Resolution of measured values of 0.01°C
- Measurement accuracy ±0.07°C
- Signalization of registration
- Recording frequency from 1 minute
- Display of exceeded limit values - arrows on display and flashing red diode
- Start directly from the computer with a time delay or START / STOP from the button
- Access to maximum and minimum value
- Low battery warning

Temperature recorder TERMIO-15

An accurate thermometer with 32000 data storage capacity. Device for measuring and recording temperature.
Application: for pharmacies and pharmaceuticals. Temperature monitoring during storage and transportation of vaccines, medicines, food, during the manufacturing process, storage.

Technical parameters:
- Range of measured temperatures - from -30℃ to 70℃
- Resolution - 0.01℃
- Accuracy - ± 0.3℃
- LCD display
- Data storage rate - 1 minute
- Memory of 32000 measurements
- Sampling rate 2 x 1 minute
- Battery life at recording frequency every 15 minutes, at 8℃ operating temperature equals 12 months
- Power supply 1 / 2xAA 3.6V
- USB interface
- Housing dimensions 45x100x19 mm
- Degree of protection IP65 housing
- Weight 85g

Features:
- Temperature recorder
- Temperature measurement in ℃
- Display resolution 0.01℃
- Resolution of measured values of 0.01℃
- Measurement accuracy ±0.3℃
- Signalization of registration
- Recording frequency from 1 minute
- Display of exceeded limit values - arrows on the display and flashing red LED
- Start directly from the computer with a time delay or START / STOP from the button
- Access to maximum and minimum value
- Low battery warning

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