

DFR-02

Synchronized defibrillator-monitor



The defibrillator-monitor synchronized with shaping of bipolar pulse DFR-02 is intended for reduction of heart rate disturbances by means electric pulse, as well as for registration and indication of bioelectric heart potentials on the monitor. The device can be used both for resuscitation activities and routine rhythm recovery. Defibrillator DFR-02 UOMZ is intended mainly for hospitals, resuscitation units, intensive care units, cardiosurgery units. The device can also be used at pre-hospital stages of medical assistance.

DFR-02 UOMZ provides shaping of bipolar therapeutically effective pulse of minimum injurious influence (8 energy levels) as well as ECG readout both from defibrillation electrodes and from ECG electrodes via individual channel.

Advantages

- Electrodes of different area for adults and infants
- Display with illumination
- Built-in accumulator
- Multiple-toned alarm system
- System of ECG channel protection from defibrillation impulse
- Memory for saving of 40 ECG fragments with a possibility of result output to the PC
- Thermal printer for printout of a patient's ECG both before and after defibrillation
- Comfortable keyboard
- Bipolar pulse shape
- Support of standard pulse shape at any changes of a patient's resistance
- Built-in self-diagnostic



Технические характеристики

Power supply	<ul style="list-style-type: none">– from AC mains (198,0 ... 242)V / (50±0,5) Hz– from built-in accumulator
Operating cycle	<ul style="list-style-type: none">– 2 hours of continuous work from accumulator in monitor mode– amount of maximum energy pulses at full accumulator charge not less than 30– readiness for operation not more than 5 s– recovery time after defibrillator discharge not more than 3 s– battery charging time to 200 J – 12 sec
Pulse shape	bipolar, trapezoid form
Energy levels	from 5 to 200 J (8 levels)
Operation mode	<ul style="list-style-type: none">– synchronized / asynchronous defibrillation– cardiomonitor mode (ECG readout)
ECG readout	<ul style="list-style-type: none">– from separate ECG electrodes (in 3 leads successfully)– from defibrillation electrodes
Defibrillator measures	<ul style="list-style-type: none">– patient's resistance, Ohm– heart rate
Display	Liquid-crystal display, 120x90 mm with adjustable contrast
Information on display	<ul style="list-style-type: none">– date and time– accumulator status– ECG scan out– heart rate and patient's resistance– activation of sound alarm– activation of ECG signal input from defibrillation electrodes– defibrillation pulse energy– operation mode (synchronization/defibrillation)
Information at printout	<ul style="list-style-type: none">– ECG– date, time– operation mode, printout speed– preset energy, patient's resistance– name, age, diagnosis
Information output on PC is possible	<ul style="list-style-type: none">– when the defibrillator is used together with a diskette and cable for connection to PC via RS 232– “Memory” function is possible to be activated– archiving of up to 40 ECG fragments
Electrodes	<ul style="list-style-type: none">– area of 100 cm² – for adults– area 50 cm² – for children
Voltage of built-in accumulator	12V