

2022-08-10

To **UAB MEDITECHA** (Public tender nr. 613889)

After checking, we recommend our model **S8** and approve these technical characteristics:

No.	Parameters	Required parameters	COMEN parameters
1.	Defibrillator	-	Model S8
2.	Defibrillator pulse form	Biphasic , with voltage compensation ,depending from of the patient impedance	
3.	Biphasic impulse energy setting limits	Not narrower how from 2 J to 360 J	YES.
4.	Biphasic impulse energy exchange step	within ≤ 50 J from 2 J to 200 J, and ≤ 60 J in the range of 200 to 360 J	YES.
5.	Working modes	Manual defibrillation , synchronized cardioversion and AED	YES.
6.	Automatic analysis of the patient's ECG ventricles vibration and ventricles tachycardia cases to determine	Necessary in auto and in manual modes	YES.
7.	Defibrillation discharges number , using 200 J of energy , from fully loaded internal battery (not in use additional battery or additional external power supply)	At least 200 discharges	YES. 360J-420 times (7500mAh) 200J-500 Times (7500mAh)
8.	Defibrillator loading duration up to 360 J	At least 10 s.	YES. Less than 8 s
9.	Screen	Diagonal at least 170 mm. The resolution is no less like 640x480	YES. 8.4 inches 800*600
10.	Monitoring time from fully charged internal battery	At least 300 min	YES. 720 min.
11.	Recorder	Necessaty	YES. Built-in
12.	Monitored parameters	ECG, HR, SpO ₂	YES. ECG, HR, SpO ₂
13.	Requirements for ECG monitoring for channel :		
13.1	ECG leads number	At least 3	YES.
13.2	HR	20 -300 bpm	YES.15-300 bpm
13.3	ECG amplitudes setting	20, 10, 5, 2.5 mm/mV	YES.
14.	SpO ₂ requirements monitoring for channel :		
14.1	SpO ₂ measurement range	Not narrower how from 1 to 100%	YES. from 1 to 100%
14.2	PR	25 - 240 bpm	YES. 20-254 bpm
15.	Requirements invasive blood pressure for channel :		

15.1	Systolic pressure measurement limits (not narrower for specified)	From 30 to 250 mmHg	YES. IBP 0-300 mmHg / NIBP 40-270 mmHg
15.2	Accuracy	Not more than ± 5 mmHg	YES. ± 5 mmHg (NIBP), ± 1 mmHg (IBP)
16.	Technical means inside in memory protected data for transfer to a computer	Software equipment data for processing	YES.
17.	Complete set	<ol style="list-style-type: none"> 1) SpO2 sensor , at least 1 pc 2) 12-lead ECG cable , at least 1 pc 3) NIBP Cuff - at least 1 pc. 4) Special transportation bag , at least 1 pc 5) Universal multiple electrodes to assign adults and of children for defibrillation and for ECG monitoring (1 set is provided together with defibrillator) 6) Disposables electrodes to assign for defibrillation , stimulation and for ECG monitoring (1 set is provided together with defibrillator), 7) Reusable electrode for direct heart defibrillation - 1 pc 	YES. Complete set: <ol style="list-style-type: none"> 1) SpO2 sensor , at least 1 pc 2) 12-lead ECG cable-1 pc 3) NIBP Cuff -1 pc. 4) Special transportation bag - 1 pc 5) Universal multiple electrodes to assign adults and of children for defibrillation and for ECG monitoring (1 set) 6) Disposables electrodes to assign for defibrillation , stimulation and for ECG monitoring (1 set) 7) Reusable electrode for direct heart defibrillation - 1 pc
18	Power supply	220 V \pm 10%, 50 Hz Internal battery	YES.
19	Warranty	At least 24 months.	24 months.



Reusable electrode for direct heart defibrillation (Shenzhen Comen Medical Instruments Co., Ltd.)

