صاایران

هر روز بهتر از دیروز



Defibrillator/ Monitor

RELIVE DM5



24 031 5200

Kaveh Ave., Isfahan, Iran

+98 913 700 97 08

www.sairanmed.ir

info@sairanmed.ir

sairanmed

SAIRAN

Medical Equipments

Technical Specifications

General

Input Voltage	90-132VAC or 180-264VAC, Auto Ranging
Input Frequency	47-63 HZ
Input Current	1.9A (rms) for 100-120 VAC 1.1A (rms) for 200-240 VAC
Operation Temperature	0 to 40 °C
Storage Temperature	-20 to 60 °C
Relative Humidity	25 to 95 %
Storage Humidity	10 to 95 %
Atmospheric Pressure	700 to 1060 hPa
Weight	< 7 Kg (Including Battery)
Dimensions	300× 440× 200 mm

ECG

Number of ECG Channels	4 Channels
Available Leads	I, II, III, aVR, aVL, aVF, V (5 wire) I,II,III (3 wire)
Measuring Range	30-300 BPM
QRS Detection	70 -120 ms, 0.3 - 5 mV (Adult Mode) 40 - 120 ms, 0.2 - 5 mV (Neonate Mode)
Accuracy	2BPM or 2% Max
CMRR	At Least 98 db at 50 Hz or 60Hz
Defib. Protection	Yes
Leakage Current	<10 µA
Patient Isolation	>4000 VAC
Pace Detect & Reject	Amplitude 2 -700 mV, Width 0.1-2 ms
Filter Modes	Monitor: 0.5 - 40 Hz Extended: 0.05 - 100 Hz Surgery: 0.5 - 25 Hz

SpO_2

Displayed Parameters	Saturation, Pulse Rate and Curve
SpO_2 Range	1-100%
Pulse Rate Range	20-250 BPM
Saturation Accuracy	At 70-100%: 3% At 1-70%: Unspecified
PR Accuracy	At 20-250 bpm: ± 3 bpm
Modes	Adult, Pediatric and Neonate Mode Improved Performance with Low Perfusion Patients

NIBP

Displayed Parameters	Systolic, Mean and Diastolic Pressure HR on Measuring Time
Measuring Range	20-280 mmHg (Adult/Pediatric Mode) 5-155 mmHg (Neonate Mode)
Accuracy	±3mmHg or ±2% (Whichever is Greater) Full Range
Memory	Up to 100 Records

IBP

Number of Channels	2
Displayed Parameters	Systolic, Mean and Diastolic Pressure
Linear Input Range	(Number and Curve)
Accuracy	-30 to +300 mmHg After Zeroing
Zero Accuracy	±2mmHg with Transducer
Pressure Sensor	±1mmHg
Sensitivity	5uV/V/mmHg

Temp

Number of Channels	2
Displayed Parameter	Temperature Value
Measuring Range	10 to 50 °C
Accuracy	±0.1 °C (10-50 °C), Exclusive of Probe Errors
Inclusive Accuracy	±0.1 °C (32-42 °C), ±0.2 °C (otherwise)
Resolution	0.1 °C

CO_2

Transducer Type	SAIRAN Air Way Main-Stream
Displayed parameters	Waveform Data, $EtCO_2$, AWRR
Measuring Range	0 - 75 mmHg
Accuracy	± 2%
Respiration Rate	3 - 100 bpm
Respiration Accuracy	±1 bpm

Battery

Type	14.8 V, 9.9 A, Rechargeable Li-Ion
Weight	0.55 kg
Indicator	Capacity Indicator on Display, Alarm and Messages on the Display Screen for low Battery Condition
Charge Time	5 Hours
Lifetime	2 Years

Pacer

Pulse	Rectilinear, Constant Current
Mode	Demand, Fixed
Amplitude	5-160 mA ±10% or 5 mA, Whichever is Greater; Digitally Displayed on the Display Screen;
Width	40±10% Milliseconds
Rate	30-180 ppm ±10%

Defibrillator

Waveform	Biphasic Truncated Exponential
Energy Selection	Selectable at 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 50, 70, 100,120,150,170, 200 Joules (Selected Using Controls on Device front Panel)
Charge Time	Less than 5 Seconds with a New Fully Charged Battery (First 15 Charges to Max Energy)
Synchronized Mode	Synchronizes Defibrillator Pulse to Patient's R-wave. "SYNC" Message Displayed on Display Screen. Marker on Display Identifies R-wave Discharge Point
Charge Controls	Control on Paddles and Device front Panel
Paddles	External Anterior/Anterior Adult and Pediatric. Adult Paddles Slide off to Expose Pediatric Paddles
Shockable Rhythms	Ventricular Fibrillation with Amplitude > 0.1 mV and wide Complex Ventricular Tachycardia with Rates Greater than 150 BPM.
Impedance Measurement Range	25-300 Ω