7" TFT color screen

360J biphasic

3-lead ECG

50 mm recorder

Optional:

5-lead ECG/RESP

Technical Specification

Physical Specifications

Dimension	275 mm (w) x 205 mm (d) x 190 mm (h)
Weight	≤ 5.3 kg (basic config. with a battery and external paddles)

Display

Type	TFT Color LCD
Dimensions	7 inch
Resolution	800 × 480 pixels

Power

AC Power

Line voltage	100 to 240 V~ (±10%)
Current	1.8 to 0.8 A
Frequency	50/60 Hz (±3 Hz)

Battery

Type	5600 mAh, rechargeable lithium ion battery pack
Capacity (new, fully charged battery)	Monitoring mode: 6 hours, monitoring with 3-lead ECG Defib mode: 300 times, 200 J discharge with three discharges per minute

Defibrillator

Waveform	Biphasic truncated exponential waveform, with impedance compensation
Power on time	Less than 2 seconds with fast startup mode
Charge time	Less than 3 seconds to 200 J with a new, fully charged battery Less than 7 seconds to 360 J with a new, fully charged battery
ECG recovery time	Less than 2.5 seconds
Patient impedance range	25 to 300 Ω (external defibrillation)
Output energy	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 50, 70, 100, 150, 170, 200, 300, 360 J
Synchonized cardioversion	Energy transfer begins within 60 ms of the QRS peak

ECG

Lead type	3-lead ECG
Lead selection	I, II, III
Heart rate display	Adult: 15 to 300 bpm Pediatric: 15 to 350 bpm
Arrhythmia	Yes
Alarms	Yes
ECG size	2.5 mm/mV (×0.25), 5 mm/mV (×0.5), 10 mm/mV (×1), 20 mm/mV (×2), 40 mm/mV (×4), Auto
Sweep speed	6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s
Patient isolation (defibrillation proof)	Type CF

Data Storage

Patient profiles	Max. 100 patients
Events	Up to 500 events for one patient
Waveform storage	Up to 10 hours of consecutive ECG waveform
Tabular trends	8 hours, resolution: 1 min
Data export	Data can be exported to PC through USB flash memory

Environmental and Physical Requirements

Water/solids resistance	IP44 (without external power)
Temperature	Operating: 0 to 45 ℃ Storage: -30 to 70 ℃
Humidity	Operating/storage: 15 to 95 % (non-condensing)
Altitude	Operating/storage: -381m to +4575m
Drop protection	0.75 m

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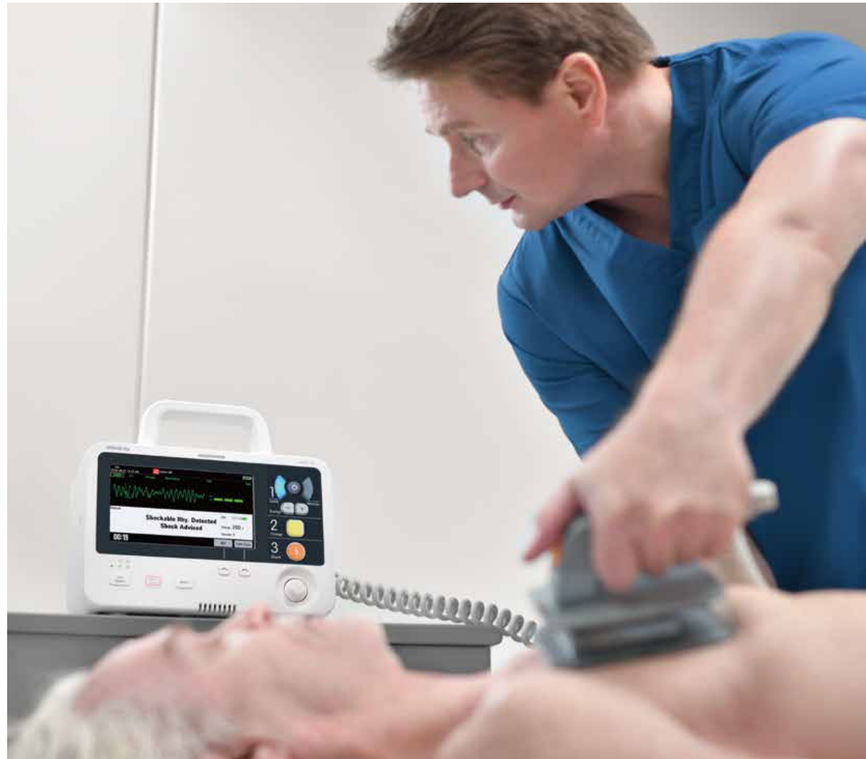
uMED 20

Defibrillator Monitor

Saving lives through simplicity



Simple, but Professional

As a monitor uMED helps recognize and prevent cardiac arrest from occurring; as a defibrillator uMED supports users through their individual level of proficiency in both manual and AED mode.

Manual Defibrillation with Clear 1-2-3 Steps

1. Select Energy
2. Charge
3. Shock

Intelligent ResQNavi™

With innovative ResQNavi™ technology, uMED 20 can evaluate the proficiency level of clinicians, perform automatic rhythm analysis and intelligently navigate the rescue process step by step, even in manual defibrillation mode.

Paddle placement

Auto-analysis

Charging guide

External Paddles with Patient Contact Indicator

Buttons for energy selection, charging and shock delivery improve usability for clinicians.
Patient contact indicators both on the paddle and screen give visual status of paddle contact to ensure discharge efficiency.

Quick Guidance, Easy Maintenance

Quick Guidance, Interactive Experience

uMED provides quick operation guide. With interactive immersive experience, the quick demo guide helps medical staff quickly grasp the key operations of the device.

Demo guide for key operations

Easy Maintenance, all at a glance

A defibrillator is on standby status for more than 95% of the complete life cycle. However, a lot of defibrillators on the market do not have comprehensive auto-test function and rely on manual check. How can device failures be detected and resolved in time? uMED 20 makes routine maintenance simple and safe, helping to save manpower, improve efficiency and ensure that the defibrillator is ready for use at any time.

- Device status is clear at a glance with comprehensive auto-test, no need to daily manual check.
- Quick access makes it easy for medical staff to view the whole test summary.
- Customized auto-test report helps the users only focus on what they really care about.
- Device failures can be simply resolved by users themselves, thanks to graphical visual troubleshooting guide.

Quick access to test summary

Reliable & Effective

Reliable & Durable Quality

To be reliable in facing a variety of possible accident, uMED 20 has passed strict safety and reliability tests. It is extremely durable and has a long life span.

- IP44 water-/dust-proof
- 6-surface 0.75m drop test without any additional protection
- Working temperature is 0~45°C, unaffected by extremes
- Large capacity battery, longer battery life, more durable

Fast & Effective Shock

uMED 20 is also equipped with 360J biphasic and QShock™ technologies, which further improve the effectiveness of defibrillation

- 360J biphasic technology with auto-compensation according to patient impedance, working for a wider range of people
- QShock™ technology brings an extremely fast defibrillation experience, for every second counts.