

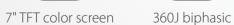


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5-lead ECG/RESP

Optional:







3-lead ECG







Pacer



Technical Specification

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

external paddles)

Туре

TFT Color LCD Resolution 800×480 pixels

AC Power

Battery

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

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

Biphasic truncated exponential waveform,

with impedance compensation

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 300Ω (external defibrillation)

Output energy 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 25, 30, 50, 70, 100, 120, 150,

170, 200, 300, 3601

Synchonized cardioversion Energy transfer begins within 60 ms of the QRS peak

ECG

Lead type 3-lead ECG 1, 11, 111 Lead selection

Heart rate display

Adult: 15 to 300 bpm Pediatric: 15 to 350 bpm

Arrhythmia

Alarms

ECG size 2.5 mm/mV (×0.25), 5 mm/mV (×0.5), 10 mm/mV (×1),

20 mm/mV (x2), 40 mm/mV (x4), Auto 6.25 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s

Sweep speed Patient isolation

(defibrillation proof)

Data Storage

Max. 100 patients Patient profiles Up to 500 events for one patient

Up to 10 hours of consecutive ECG waveform

Tabular trends 8 hours, resolution: 1 min

Data can be exported to PC through USB flash

Environmental and Physical Requirements

Water/solids resistance IP44 (without external power) Operating: 0 to 45 °C Temperature

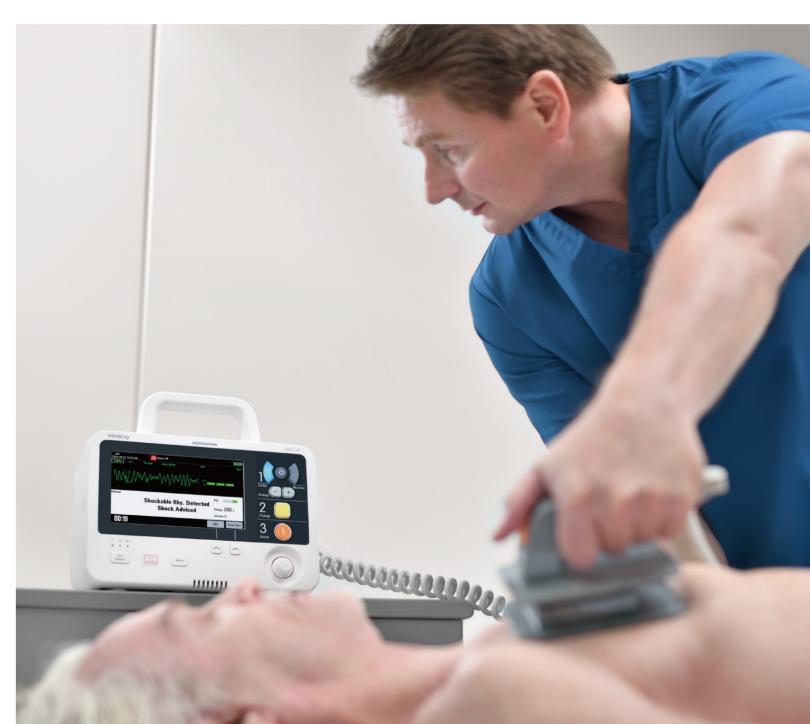
Storage: -30 to 70 °C Operating/storage: 15 to 95 % (non-condensing)

Operating/storage: -381m to +4575m Altitude Drop protection

mindray

uMED 20 Defibrillator Monitor

Saving lives through simplicity



www.mindray.com

P/N:ENG-uMED 20-210285X6P-20230118



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

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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.

