

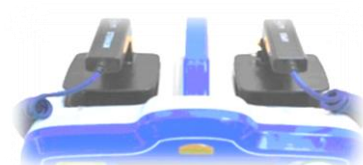


# Defi *Xpress*

WANROOEMED

**Defi *Xpress*** is a compact, durable, light weighted defibrillator which integrated monitoring, manual defibrillation, AED and pacer (option). It is a professional biphasic defibrillator-monitor suitable for hospitals and clinics,

WANROOEMED developed Defi *Xpress* with ECG monitoring paddles and Optional Nellcor SpO2



## Technical specifications

### Display

- Screen Type: High-resolution display
- Screen Size: 7 inches (17.7 cm) diagonally
- Sweep Speed: 25mm/sec
- Information: Heart Rate, Lead/Pads, Alarm On/Off, SpO2, AED
- Functions and Prompts Alarm Selection and Limits, Delivered Energy.



### SpO2 Module (Options):

- Measurement Range: 30~100%,  $\pm 2\%$  between 80%~90%, others  $\pm 5\%$
- Alarm Range: User set high limit and low limit.
- Alarm Accuracy:  $\pm 10\%$  within setting values.
- Alarm time Accuracy: less than 12 sec.

### Defibrillator

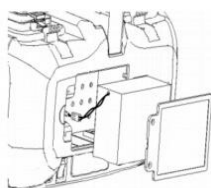
- Waveform: Biphasic
- Charge Time: Less than 7 seconds with a new fully charged battery.
- Energy Display: Monitor display indicates both selected and delivered energy.
- Charge Prompt Type: Voice and visual prompts.
- Electrode Impedance Measurement Range: 0-250 ohms.

### ECG Monitoring

- Patient Connection: 3-lead ECG cable, or 5-lead ECG cable, paddles.
- Lead Selection: Displayed on monitor, paddles, I, II, III, AVR, AVL, AVF, V.
- ECG Size: 0.25, 0.5, 1, 1.5, 2, 4 cm/mV display on monitor.
- Heart Rate: 20-300BPM.
- Heart Rate Alarm: On/Off displayed on monitor, user-selectable.
- Smart Alarms: Beeper/voice prompts indicate shock able rhythm.

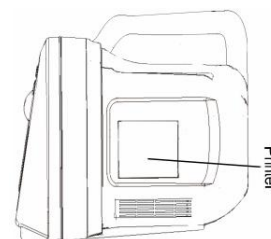
### Battery

- Type: Rechargeable, Ni-MH battery, 12V.
- Operating Time: For a new, fully charged battery: 60 defibrillator discharges at maximum energy, or 3 hours minimum of continuous ECG monitoring. Additional parameters will effect operating time with different functions



### Recorder

- Paper: 50mm thermal.
- Speed: 12.5mm/sec, 25mm/sec, 50mm/sec. User-selectable 6-second delay.
- Printing Method: High-resolution, thermal print head.
- Print-out Modes: Manual or automatic, user-configurable.
- On/Off Control: Front panel and paddle.
- Automatic Function: 9-seconds recording initiated by alarm activation or defibrillator charge or defibrillator discharge.



### AED Mode

- AED Function: Auto analyze and charge x3 with programmable auto energy level selection, screen prompts, and voice prompts.
- Shockable Rhythms: Ventricular fibrillation with amplitude  $\geq 200\mu V$ , ventricular tachycardia with rates  $\geq 140\text{bpm}$ , and QRS complex wave duration  $\geq 140\text{ms}$ .
- Charge Control: Control on device front panel, press key on paddle.
- Prompts: Voice and visual prompts.

### Manual Mode

- Energy Selection: Selectable at 2, 5, 7, 10, 20, 30, 50, 70, 100, 150, 200, 300, 360 joules.
- Synchronized Mode: Synchronizes defibrillator pulse to patient's
- R-wave. "SYNC" message displayed on monitor